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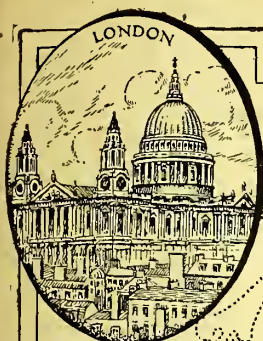
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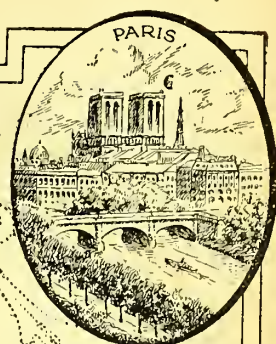
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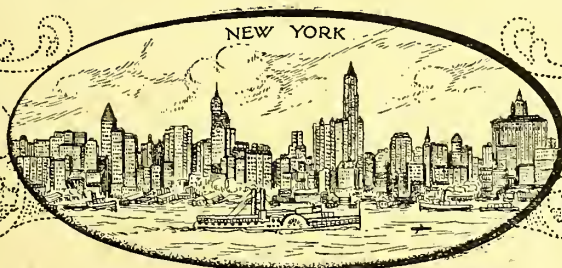
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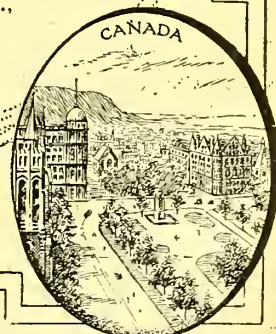
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Telegrams—"SANDOZ BRADFORD."

THE SANDOZ CHEMICAL CO., Ltd.

Telephone—BRADFORD 1302.

BRADFORD.

TERPENELESS OILS

BRITISH MADE

We manufacture exclusively ourselves all kinds of Terpeneless Oils, and invite inquiries from users throughout the world.

WE SPECIALISE IN TERPENELESS:

Anise (Anethol)

Bay

Bergamot

Caraway

Cassia

Cinnamon

Clove

Dill

Geranium

Ginger

Juniperberry

Lavender

Lemon

Limes

Mandarin

Nutmeg

Orange

Peppermint

Petitgrain

Rosemary

CINNAMIC

ALDEHYDE

GERANIOL

CITRAL

EUCALYPTOL

SICILIAN
LEMON - BERGAMOT
ORANGE - MANDARINE.

—SPINELLI—

The Oils that have a Long
Reputation for Quality.

In the manufacture of our Terpeneless Oils it was imperative that we secured the very finest Sicilian Oils to work upon. After several exhaustive tests we came to the conclusion that the "SPINELLI" brand of Sicilian Oils gave us the best results. As we were able to place large orders for our own needs with the manufacturers, we have pleasure in stating that they have entrusted us with their British Agency, and we offer to users of Sicilian Oils the benefit of our experience. There is quality in every package. Guaranteed Genuine Oils of authentic origin, and to conform to any analysis as to purity.

HOLLANDS DISTILLERY LTD.

Lavington Street, Southwark, LONDON, S.E.1.

ABC Code, 5th Edition.
Western Union.

Telegrams: "LANDSLOH LONDON."
Telephone: Hop 898.

AMERICAN AGENTS—O. A. BROWN CO. INC., 99-101 Beekman Street, NEW YORK.

CANADIAN AGENTS—F. S. JARVIS & CO., 18 Toronto Street, TORONTO.

Cresp-Martineng

(Grasse, France),

Manufacturers of

ESSENCES & PRIME
MATERIALS for MANUFACTURING

PERFUMERS,
CONFECTIONERS,
ETC.

SYNTHETICS
ARTIFICIAL VIOLETS
(MYRIONE)

Artificial Musk

INQUIRIES SOLICITED. LARGE STOCKS

ROBERT FERBER, LTD.
98/104 OAKLEY STREET,
LONDON - S.E.1.

Agents for
the UNITED
KINGDOM &
CANADA.

ROSE SUPRÊME DE FRANCE.

A New Perfume, designed to meet the requirements of Pharmacists preparing their own Powders, Creams and Toilet preparations in general.

Of fine quality and constant strength, it will be recognised by the trade to be the perfume of the year.

Prices & Samples from the Manufacturers—

R. LANE-HALL & CO., LTD.

1 STEWARD STREET,
LONDON, E.1.

IS "DE LUZY" IN YOUR DISTRICT YET?

If not, favour us by applying for sample and terms. We are confident that its special excellence will make you a satisfied buyer.

		each	doz.		each	doz.		each	doz.
POUDRE	... ..	10d.	6/8		1/9	14/-		3/3	26/-
CREME	... ..	1/3	10/-		2/6	20/-		3/9	30/-
PARFUM	des Fleurs (assorted)...	—	—		5/-	40/-		14/6	116/-
„	Origan, Chypre, Ambre	—	—		—	—		16/6	132/-

W. H. CALNAN & CO., 30-32 Ludgate Hill, E.C.



THREE GOOD SELLERS THAT PAY WELL

FROZOCLONE

(The original solid Eau de Cologne).
(Regd.)



THE WORLD'S GREAT
PERFUME AND
REFRESHER IN
SOLID FORM

Retails (P.A.T.A.)
Minimum - 3/6
giving at least 10d. Profit
on each sale.
32/- - - per doz.

For EXPORT quantities of
not less than four gross a
substantial drawback al-
lowance will be made.

FROZOCLONE is a convenient form of the finest Eau de
Cologne, refreshing when rubbed on the forehead, equally
pleasant as a smelling bottle, invaluable in a heated atmosphere
and when motoring.

CARNATE (Regd.)

A NAIL POLISH PASTE with new and distinctive
features. Antiseptic—Softens the cuticle—Brilliant
and lasting polish.

Retails (P.A.T.A.) minimum 1/9; 15/- per doz.

ANALAX

(Reg. Pat. No. 310716)



The Ideal Fruity Laxative in Pastille Form.
DELICIOUS. RELIABLE. EFFECTIVE.

Retail (P.A.T.A.) Minimum 2/3
21/- per doz., stamped.

R. DEMUTH'S LABORATORIES,

Telegraphic Address: "Boulbene London."

**68 Salusbury Road, and
Montrose Avenue, LONDON, N.W.6**

Telephone: 525 Willesden.

Maw's**Page**

July 31, 1920.

No. 459.

On Meeting Competition

IT is significant that the greatest business successes are made in the face of the strongest competition.

Competition stimulates the courageous to greater effort, whereas lack of competition makes for absence of effort and ultimate decay.

This fact accounts largely for the healthy condition of British Pharmacy. The bona-fide pharmacist has consolidated his business in the teeth of constant and strenuous competition, with the result that his position to-day is stronger than ever.

Whatever the nature of future competition may be, the British pharmacist will meet it with the fortitude that has characterised his efforts in the past.

In this task he is assured, as hitherto, of the continued support of the House of Maw—the House that has served the pharmacist faithfully for 113 years.

It is the earnest desire of the House of Maw that its relations with its customers should be even closer in the future than in the past. With a view to this, it invites communications and suggestions on all matters appertaining to the business of pharmacy.

Deal at the Sign of the Discus,
and help to retain the business
of pharmacy for the pharmacist.

Telephone:
"City 7"
(Private Branch Exchange).

S. Maw, Son & Sons, Ltd.,
7/12 Aldersgate St.,
London, E.C.1.



Telegrams:
"Eleven Cent,
London."

Does the tube in use do you credit?

*Guy's Emulsified
Cocoa Nut Oil.*

*The world's best
Shampoo in tubes and
cartons.*

3 dozen at 7/9
12 " " 7/6

Carr. paid.

*Showcards priced 1/3
supplied free with all
orders.*

MACLEAN'S tooth pastes, toilet creams, and medicinal preparations in beautifully decorated tubes, with your name and address a part of the colour enamel decoration, will do you credit right to the last squeeze.

There is no label to get dirty and sticky or perchance to come off altogether when you get your tubed goods from MACLEAN'S.

Prices are competitive, styles are numerous, we have cartons to match the styles, and quantities not more than those usually purchased.

MACLEAN'S, Ltd. 6 SPRING ST.
LONDON, W.2.

Delphinus

TOILET PREPARATIONS

Face Cream. Dental Cream.
Brilliantine (Solid & Liquid).
Pomade Hongroise. Nail Polish.
Shampoos. etc.

Products of
Unvarying
Excellence

Prepared by
The Delphinus Mfg. Co.
45 Edward Street, Brighton.
Cables & Wires: Hongroise, Brighton.

We do not incur heavy expenses in advertising to the public, but prefer to give our Clients the benefit of increased profits.

Sole Agents for Scotland :
Messrs. HENDRY & SMITH & Co.
83 Renfield Street, GLASGOW.

BE WISE! Write us
TO-DAY.

Delphinus
TRADE MARK.

COPYRIGHT

“CUTEX”

DO NOT BE DECEIVED

The Public require

“CUTEX”

Our Mail Bag of 3,000 daily
applications prove that
it is

“CUTEX”

they require.

*Therefore keep up your stocks to meet the public
demand for “CUTEX.”*

HENRY C. QUELCH & CO.

**4 & 5 LUDGATE SQUARE,
LONDON, E.C. 4**

469 Holloway Road,
London, N.7.

Will those Chemists at Home or Abroad who hold War Stocks (Card Cases) of Amami Nail Polishing Stones kindly destroy them and advise us, when we will replace with new stock in our mutual interests.

PRICHARD & CONSTANCE (WHOL.) LTD.

AMAMI NAIL STONE has been much imitated, but its high quality and attractive presentation command appreciation, and retailers' profits are good, too!

6/9 per dozen.

Special terms for gross
lots on application.

WHOLESALE AND EXPORT ONLY.

**VERNON
POWELL LTD.**
THE COMB SPECIALISTS

THE **COMB**
CENTRE



VULCANITE
GALALITH

CELLULOID
HORN

**THE LARGEST SELECTION
IN LONDON.**

9 & 10 St. Andrew's Hill,
LONDON, E.C.4.

**TWO DAINTY LINES
THE BEST ON THE MARKET.**



Actual size.

Now in Stock.
Packed in Pre-war Style Aluminium Hinged Boxes (enamelled finish) and Show Boxes of 1 dozen.
Per 6/- doz.



In Screw-top Boxwood Cases and
Outers of 1 dozen with Showcards.

Per 4/- doz.

Manufactured by

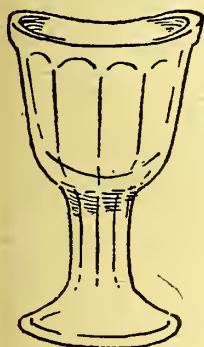
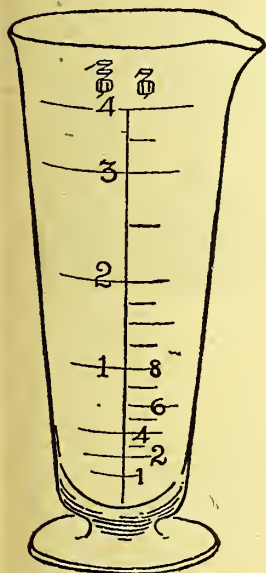
SOLPORT BROS., LTD.
184-190 Goswell Road, London, E.C.1.

Obtainable through all Wholesale Houses.

AYRTON'S WEEKLY

PAGE
15

A page of Glassware



We have pleasure in advising particulars of a new consignment of Photographic Glass Measures and Jugs.

These are made of heavy, hard glass, and being able to withstand a lot of hard wear, they are very suitable for laboratory and back shopwork. The plain ones make suitable test glasses or sediment jars.

JUGS. Heavy, hard glass, graduated in tenths of a pint.

Capacity, 32 ozs. each **3/9**

EYE BATHS. Exceedingly well made, with no sharp edges.

Flint glass, white or blue per dozen **5/6**

Large size, white flint glass „ „ **6/6**

MEASURES. Semi-cylindrical, heavy, hard glass.

		60	120 m.	$\frac{1}{2}$	1	2 oz
Plain	... per dozen	9/-	10/-	8/6	9/-	10/-

	60	200 m.	$\frac{1}{2}$	1	2	10	20	40 oz.
Graduated, per dozen	14/6	18/-	14/6	15/6	18/-	36/-	51/-	69/-

MORTAR AND PESTLE GLASS. Plain glass.

		2	4	8	16	32 oz
Per dozen	... ..	20/-	24/-	30/-	51/-	75/-

Etched (rough inside surface)

Per dozen	22/-	29/-	35/-	60/-	84/-
-----------	--------	-------------	-------------	-------------	-------------	-------------

MEDICINE GLASSES. Pressed extra hard glass.

Size—tea, dessert, and tablespoon per gross **33/-**

„ —two table and eight teaspoons „ „ **39/-**

„ —four table and eight teaspoons „ „ **48/-**

AYRTON, SAUNDERS & Co. LTD

Manufacturing Chemists

34 Hanover Street, LIVERPOOL

JOB BROTHERS

GUARANTEED PURE GENUINE

NEWFOUNDLAND NON-FREEZING

MEDICINAL COD LIVER OIL

IS THE FINEST OIL PRODUCED

It is perfection in colour, smell, taste and absolute purity.
Manufactured from the finest fresh Cod Livers on same
day as fish caught.

WHOLESALE ONLY

JOB BROS., Manufacturers, Tower Building, LIVERPOOL

Telegraphic Address: "JOB LIVERPOOL"

Tel. 1039 CENTRAL

And of ST. JOHN'S, N.F.

Established 1780.



MALT & COD LIVER OIL

Prepared only from the Finest East-Coast Barley, combined
with the best Norwegian Non-Freezing Cod Liver Oil.

Packed in Screw-Capped Jars, Bottles and Tins, holding 1 lb. and 2 lb. Neatly Labelled
and Wrapped. Customer's Name printed on Labels for Orders of 1 Gross and upwards.

Telephones:
Nitshill-Pollakshaws 14
London-Avenue 5661
(3 lines).

PERRY & HOPE, Ltd.

Telegrams:
"Perryope, Nitshill,"
"Perryope, Ltd.,
London."

NITSHILL, near GLASGOW.

London Office: 1 LEADENHALL STREET, E.C.3.

Daily Mail.
FRIDAY AUGUST 27, 1920
LONDON MANCHESTER PARIS NO. 1340

The Castol kiddies act a famous Daily Mail advertisement

CASTOL'S PAGE TO-DAY. ONE PENNY

Healthy Children are Playful Children.
Every mother knows how true this is, and that is why she looks for the great standard of The Standard Food

CASTOL'S
CASTOL'S are the only foodstuffs which have passed the test of time and are the most reliable and safe of all foodstuffs for children. They are the only foodstuffs which have been found to be the most suitable for the young of all ages. They are the only foodstuffs which have been found to be the most suitable for the young of all ages. They are the only foodstuffs which have been found to be the most suitable for the young of all ages.

BOTTLES and CASTOL'S have passed the test of time and are the most reliable and safe of all foodstuffs for children.

The Castol Kiddies act in the famous Daily Mail advertisement.

THOMAS KERFOOT & CO. LTD. Bardsley Vale, Lancashire.
THOMAS KERFOOT & CO. LTD. Bardsley House, London, N.1.

Note the
DATE
Aug.
27
..



dere
mr chemist
This is the page we
have drawn for the daily
mail and lord norfolch is going
to print it on August 27
says milyuns of littel boys and girls
will see us. we hope you will have
lots of Castols neddly for them they are
so nice arnt they. yours Louli.
Pobbie Lard Bussie Bussie X Teddies
mark

THOMAS KERFOOT & CO LTD
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797.

COPYRIGHT

Think it over!

THESE ARE JUST THE LINES YOU WANT.



"Leona" Series are of tip-top quality, beautifully packed, well advertised, leave you a good profit, and are on the P.A.T.A.

"LEONA" DENTAL CREAM

(Mint or Thymol)

Small Size	...	Cost 4/6 per dozen	Sell @ 7½d.
Large Size	...	" 8/ " "	" @ 1/3

Recommended by the Institute of Hygiene.

"LEONA" CREME DE BEAUTE

Cost 12/- per dozen Sell @ 1/6

A Delightfully Perfumed Vanishing Cream packed in handsome 2-oz. opal pots.

"LEONA" BRILLIANTINE (SOLIDIFIED)

Cost 8/6 per dozen Sell @ 1/-

Packed in beautifully embossed tins and cartons.

POUDRE "LEONA"

Cost 8/- per dozen Sell @ 1/-

Richly perfumed and packed in gold-blocked boxes.

Every Line is a work of art.

Ask your wholesaler to show them to you, and

YOU WON'T REGRET IT

Sole Manufacturers and Proprietors—

THE JACKSON CO., 172 St. JOHN STREET, LONDON. E.C. 1.



MAKING MONEY is YOUR BUSINESS

and we can offer you a new
line which will help
you to make it,
namely



"SANOID" SOAP

It is the best Soap that modern science
can produce, made from edible fats and
free from excess of alkali. Its perfume is
extremely pleasant but not overpowering.
Its high-class and very neat packing are
distinctly appealing to the most
discriminating buyer.

AT MINIMUM PRICES IT YIELDS 50 per cent. PROFIT.

Send for a Free Sample and Terms NOW.

THE EMPIRE PERFUMERY CO.

(Proprietors: CUXSON, GERRARD & CO., LTD.)

OLDBURY, near BIRMINGHAM.

*Export & Colonial
inquiries invited.*



WAVCURL

THIS article has now been sufficiently long before the public to enable them to sample its merits. This the public have done on a large scale, and many delighted users have come again and again to the retailers they buy from for further supplies. The demand has been extraordinary. At first the proprietors tried to cope with it per post, but they soon saw that this was too cumbersome and tedious a method, and they are now gladly availing themselves of the services of the trade. Wavcurl is a first-class seller and a first-class payer, too. The profits are all they should be on a toilet line, as any reader can see for himself in the P.A.T.A. Protected List. Forty per cent (40%) should surely awaken your interest, especially in a line that sells at sight. All classes of ladies, from the titled dame to the busy factory worker, are using it as their readiest means of keeping themselves attractive, notwithstanding the great demand there is just now upon their time. To the user it is a great time-saver; to the seller, a great money-maker. We invite your application for Showcards and Dummies for window-dressing. A Wavcurl window-show in an industrial or factory area will simply make the shillings shower into your till. Address post card to

THE WAVCURL CO.,
FULWOOD HOUSE, HIGH HOLBORN, W.C. 1

	Per doz.		Per doz.
1/6 Wavcurl (in packets) ...	9/-	1/6 Duvetine (Superfluous Hair Remover) ...	9/-
2/9 Wavcurl (in bottles) ...	21/-	1/6 Wavcurl Hair Tonic (9 in Powdered Form) ...	9/-
1/6 Complexion Cream ...	10/-	1/6 Eyelashine ...	9/-
2d. Shampoo Powder ...	15/-	Showcards for Window Dummies for Show	no charge
	gross.		

Agents: PARIS.—A. W. Scott, 38 Rue du Mont Thabor. CANADA.—W. W. Barry, 1 Port Street, Montreal.

STRODONIA Vanishing Cream.

NOW SUPPLIED IN
**ALUMINIUM
SCREW-CAPPED JARS.**

10½d. size—7/6 doz. 1/3 size—10/6 doz.

FROM LONDON WHOLESALEERS.

Direct orders value £5, subject to 1 doz. 1/3 size Bonus for window display and 5% discount cash, one month; £2/10/0 subject to 3 doz. 1/3 size Bonus for window display, net; £1/10/0 subject to 3 doz. 1/3 size Bonus for window display, net. Carriage paid on £1/10/0 upwards.

STRODE COSH & PENFOLD, Broadmead, BRISTOL.

All Chemists and Stores adjacent to Theatres and Music Halls should stock the famous

LEROZA

Theatrical Cold Cream and Grease Paint Remover.

Used and recommended by all the leading artistes, including The Two Bobs, Ernie Mayne, Miss Victoria Monks, Shaun Glenville, and scores of others too numerous to mention.

Put up in specially designed tins (containing about 11 oz.) to Retail at 2/- per tin.

Trade Terms: 18/- per dozen CARRIAGE PAID.

Net Monthly Account.

7½% off for Cash within 7 days.

From the Sole Inventor and Manufacturer.

ARCHIBALD MOLE-FLOYD,

The Leroza Theatrical Stores,
71, 73 & 75 Cambridge St., GLASGOW.

LOTOZONE

SHAMPOO DE LUXE

A superior tonic and hygienic Shampoo at a popular price. Packed in dainty slide cartons. Elegant in appearance and delightful in use. Perfumed with Irish Elegance. Counter boxes supplied.

Full particulars on request.

THE EVAN WILLIAMS COMPANY, LIMITED, 18 Ogle Street, LONDON, W. 1.

TOILET PREPARATIONS

LOTOZONE TOOTH PASTE
LOTOZONE CREAM
LOTOZONE FACE POWDER
LOTOZONE POWDER PAPER

The Shampoo Salesman, free on application, gives full details of prices and profit.

INCREASING POPULARITY OF "HARLENE HAIR DRILL."

EVERY DAY EMPHASISES THE NECESSITY
FOR MEETING THE PUBLIC DEMAND.

The widespread publicity initiated by the Proprietors of "Harlene" over a number of years and vigorously maintained right up to the present time, in spite of many difficulties and increasing expense, continue to draw an immense response from all parts of the country. Thousands of sample parcels are dispatched daily, thus increasing the number of possible customers to retail stores everywhere.

HAVE YOU A GOOD STOCK OF "HARLENE HAIR DRILL" PREPARATIONS?



NOTE—The Contents of the Free HARLENE OUTFITS Comprise :

- | | |
|-------------------------------|---|
| 1. A Trial Bottle of Harlene. | 3. A Trial Bottle of "Uzon" Brilliantine. |
| 2. A "Cremex" Shampoo Powder. | 4. Book of Instructions. |

FOLLOW THE TIDE OF SUCCESS.

Watch the great Free Gift Advertising Campaign that brings the Customers to your Shop.

No Chemist or Store can afford to be without this unique line of Toilet Preparations.

"HARLENE" FOR THE HAIR	"ASTINE" VANISHING
"UZON" BRILLIANTINE	CREAM
"CREMEX" SHAMPOO	"ASTINE" TOOTH CREAM
POWDERS	"ASTINE" SHAVING STICK
"ASTOL" FOR GREY HAIR	"ASTINE" NAIL CREAM

For Particulars, Terms, &c., write to

EDWARDS' HARLENE, Ltd., 20, 22, 24 and 26 LAMB'S CONDUIT
STREET : : LONDON, W.C. 1.

A. BOURJOIS & Cie, Ltd.

66 CARTER LANE - LONDON, E.C.4.

Please note that the prices of
Poudre de Riz de Java (Bourjois)
 are as under :

2/- size. No. 45	1/3 size. No. 495
1 doz. - 16/- per doz.	1 doz. - 11/- per doz.
6 „ - 15/9 „	6 „ - 10/9 „
12 „ - 15/6 „	12 „ - 10/6 „

The P.A.T.A. prices for Java Powder have been increased to
 2/- and 1/3 per box.
 May 1, 1920.

A WORD OF ADVICE TO CHEMISTS.

WE have made important advertising contracts with the leading fashion papers of Great Britain, to run for the next twelve months, bringing to the notice of everyone the World-wide popular



Place some jars of this Cream in your window NOW, together with the new handsome Showcard, and benefit by this advertising campaign to the utmost extent. It will cost you nothing; it will bring business to you without a doubt.

CALMON & NEATE,

Sole Agents for J. LESQUENDIEU, Paris.

8 Gerrard St.,
London, W. 1.

12 Rue Vivienne,
Paris.

There's Good Business' in
Pasttella

**Pearle
Poudre**
*gives minimum profit
of 53% on outlay*

**Nail
Poudre**
*gives minimum profit
of 55% on outlay*

Sole Distributors.
 F. NEWBERRY & SONS LTD. 27-28, CHARTERHOUSE SQ. LONDON E.C.



A GOOD ILLUSTRATION

always attracts the most attention and, if used in your advertisements, will bring more business for you. Our Business Bringing Blocks do attract the right kind of interested readers to buy your goods.

Send for a selection of Illustrations available for your district.

CHEMISTS' DESIGN SERVICE

12 Humberstone Gate, LEICESTER.

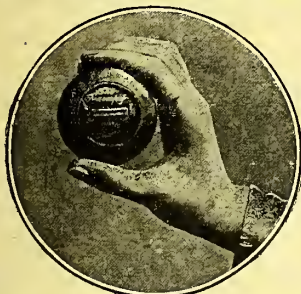
R.336 3/6
**BUSINESS
BRINGING
BLOCKS**

MOUSLEY'S "BEAVERPUF"

Patent Nos. 4931 and 4932.

The Ladies' Natty Friend.

B. quality
Brown
Fur,
3/11
each,
Retail.



G. quality
Grey Fur,
4/6
each,
Retail.

Additional Powder Bags, 6d. each, Retail.

Revolution in Powder Puff Manufacture.

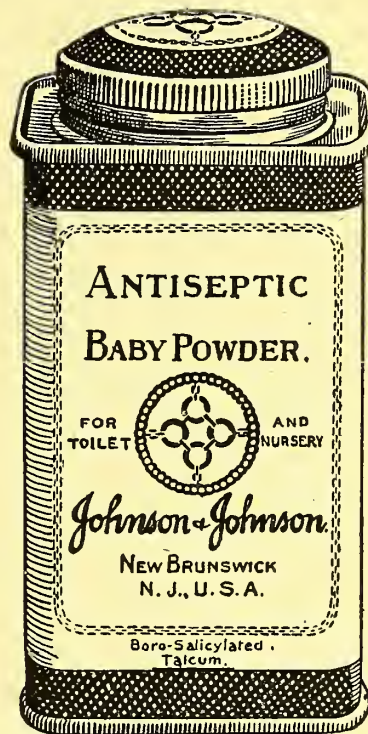
Thousands already sold.

Now stocked by leading Wholesale Houses.
Usual Trade Discounts.

Patentee and Sole Manufacturer:

F. A. MOUSLEY,
Priest Bridge, Mortlake, London, S.W.14.

SOLD THE WORLD OVER.



Antiseptic TOILET & BABY POWDER

JOHNSON & JOHNSON
British - Manufacture.

Made from the Best Talcums
and Delicately Perfumed.

Bonus given for order of 2 gross
and window display.

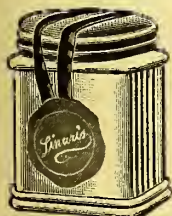
For particulars apply to—

JOHN TIMPSON & Co., Ltd.
104 Golden Lane - - E.C.1.

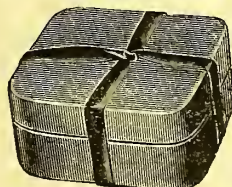


Linaris

BATH POWDERS
FACE POWDERS (*all tints*)
SKIN FOOD
BEAUTY CREAM
TONIC CREAM
VANISHING CREAM
BATH SALTS, etc. etc.



Linaris
Dept. 1
31 Westbourne Grove
W.2.



Ingram's MILKWEED CREAM

Has been CONSISTENTLY ADVERTISED in the best AMERICAN and CANADIAN PERIODICALS for twenty-five years.

A Medicinal Toilet Cream with a world-wide demand that is rapidly increasing. Two sizes

Prepaid Parcel Post to Great Britain and her Asiatic and African Colonies. Samples and store displays free with every order.

Ingram's Milkweed Cream

- " Velveola Souveraine (Face Powder)
- " Zodenta Paste for the Teeth
- " Rouge, Light, Medium, Dark
- " Perfume, 1 oz. assorted in fancy packages

100 Guest-Room Packages free.

Shipped via Parcel Post Prepaid.

Send us with your order the names of 100 of your lady customers, and we will mail each of them a handsome folder, inviting them to call at your store and get our Guest Room Package free, containing one each of the above in sample sizes, including Perfume.

If more convenient to you, specify shipments from our Canadian Plant.

FREDERICK F. INGRAM COMPANY (Established 1885).

411 Lafayette Boulevard, Detroit, U.S.A. Canadian Plant: Windsor, Ont.



Twenty-five years' continuous advertising has made this trade mark known wherever American and Canadian publications are read.

There may be a Plump

on some lines—but there's *none* in the sales of "Quin-Quenna." Indeed, there is more sold to-day than ever there was. Such, then, is the reward of virtue. "Quin-Quenna" does what it promises, and so long as there are ladies who take a pride in their hair, so long will "Quin-Quenna" sell readily. It is, of course, advertised more extensively and all sales are, as usual, directed to chemists.

3×6-doz. cartons with 3-doz. 6d. packets as bonus (with full advertising material) orders are common to most districts, especially as we give the "Quin-Quenna Girl" display with this quantity and send the lot carriage paid.

Quin-Quenna

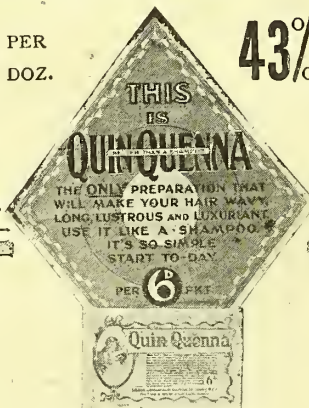
BETTER THAN A SHAMPOO

Has the "Quin-Quenna" Girl worked for you yet? Be kind, and send her an invitation!

4/- PER DOZ.

43% P.A.T.A. PROFIT.

T. Christy & Co.



4/12 Old Swan Lane, London, E.C.4.

Whole Front Page DAILY MAIL

Aug. 6, advertising

ANZORA

Have you ordered your supplies yet?

Also we are introducing a new line, Anzora Beta-Naphthol Soap, an efficient and economical Shampoo.

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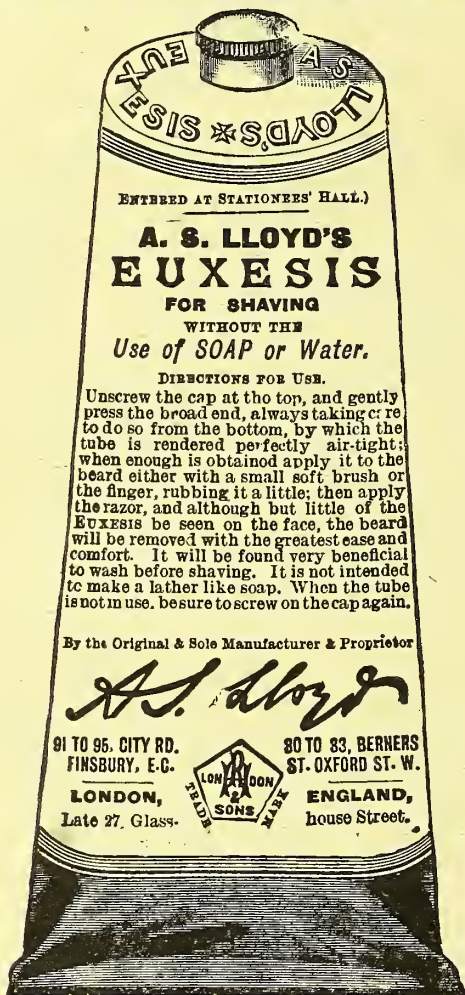
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Therefore we urge all customers who are building up a sale for

SAPON SOAP

to send small orders often.

Although our Works are going full pressure, demand is so great that we are unable to guarantee prompt delivery on receipt of order. Our many friends will greatly assist us, therefore, by anticipating requirements by a month when possible.

Remember, we are in no way connected, directly or indirectly, with any combine of Soapmakers.

"Sapon" Soaps show you a better profit than other makes.

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**ANTISEPTIC TREATMENT OF ALL KINDS
OF FEVERS.**

A simple, natural and scientific external remedy for all Zymotic Diseases, Influenza high temperature, Headaches from all causes, Sunstroke, the various forms of Rheumatism and Gout, Neuralgia, Sciatica and Lumbago, Bruises, Sprains and Contusions.

2/- Size 18/- per doz.

3/- " 27/- "

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Carriage paid for not less
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Less 5% for window shows. Attractive show cards supplied. A steady regular sale ensures 40% profit on cost.

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The Anti - Dress
Shield Toilet Water

Effectively corrects
excessive
perspiration.

Extensively advertised
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Send 20/- for a trial dozen 2/6 bottles and showcards, your name will then be placed on our depot file and all future inquiries from your district will be directed to you.



Dulc-o-do

Corrects Under-Arm Perspiration

Scott's Chemical Co.,
47, Huddleston Rd.
London, N.W.

Telephone: Trafford Park 787.

Telegrams: "Stevenut Manchester."

Contractors to H.M. Government.

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Wholesale Chemists
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All four repeaters!

Sell themselves!

Contents guaranteed genuine.

Packed in white glass toilet Bottles, with sprinklers and
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Price 10/6 per dozen net.

Samples of labels on request.

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A complexion soap.			
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For the lips.			
PARSIDIUM JELLY		10/-	1/-
For wrinkles.			
ALLACITE of ORANGE		22/6	2/6
A dressing cream. BLOSSOM			
BORANIUM	-	22/6	2/6
A hair tonic.			
CLEMINITE	-	22/6	2/6
For a face lotion.			
COLLIANDUM	-	22/6	2/6
For a face tint.			
PERGOL	-	22/6	2/6
A deodorant.			
STALLAX	-	22/6	2/6
For a shampoo.			
JETTALINE	-	31/6	3/6
For clearing the skin.			
PHEMINOL	-	36/-	4/-
A depilatory.			
MENNALINE	-	36/-	4/-
For the eyelashes.			
MERCOLIZED WAX		31/6	3/6
A face cream.			
STYMOL	-	36/-	4/-
For oily complexions and blackheads			
BARSYDE	-	22/6	2/6
Dandruff eradicator.			
TAMMALITE	-	22/6	2/6
For grey or faded hair.			
LIQUID PERGOL	-	31/6	3/6
To check excessive perspiration locally.			
BICROLIUM	-	22/6	2/6
For whitening the hands.			
HARAPOSA	-	22/6	2/6
Nut oil shampoo.			

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Forhan's For the Gums has Medicinal Qualities.

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For Forhan's is more than a pleasantly flavoured tooth paste in convenient tube form. Its mission is to do more than keep the teeth white and clean.

Formulated by R. J. Forhan, D.D.S., for the prescription of the dental profession, Forhan's For the Gums has remarkable potency against Pyorrhea.

If used in time and used consistently, Forhan's prevents Pyorrhea, which is said to attack four out of five people over forty. If Pyorrhea has already set in, Forhan's will check its progress.

Your customers are being told of this special value of Forhan's through a steady, powerful campaign in magazines and newspapers with circulation over the United Kingdom. They are warned at the first sign of Pyorrhea to consult their dentists and to use Forhan's regularly.

Order a stock of Forhan's For the Gums to-day. You will profit not only from certain, steady demand, but also from the goodwill of your customers. Prices and trade information on request.

Thos. Christy & Co.

4-12 Old Swan Lane,
London, E.C. 4.



Enolin

TOOTH PASTE "Strong" or "Mild"

THE SUPER PASTE

"Enolin" is also supplied in Powder Form - 6d. & 1s. Tins

Selling Agents for Provinces, Ireland and Export—

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RELIABLE TOOTH BRUSHES.

Gloria Silverdrawn	20/- doz.
(Assorted Patterns.)	
ditto Hard, White or Yellow	22/- "
ditto Ex. hard "	24/- "
Mitre - - -	16/- "
Elephant - - -	14/- "
Anchor - - -	12/- "

GROSS LOTS NAMED FREE. CARRIAGE PAID.

**We do not Sell Foreign Tooth Brushes,
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A selected £12 parcel of Hair Brushes
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All Guaranteed FREE of ANTHRAX.

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COMBS - PUFFS - BAG PUFFS
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BRUSHES

The Holiday Season is in full swing, and articles for the Toilet are in constant demand. The following items are strongly recommended as good sellers — try an assorted parcel.

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No. 553. Satinwood back	12 rows, bristle	...	per doz.	45/-
" 554. " "	11 " " long cut	...	"	57/-
" 555. Ebonised wood	10 " " "	...	"	57/-
" 561. Real ebony	...	...	9 " " "	...	"	102/-
" 557. " "	...	...	13 " " "	...	"	108/-
" 550. " "	...	...	11 " " "	...	"	126/-
" 558. SPECIAL LINE	...	...	8 " whalebone	...	"	36/-

NAIL BRUSHES—

No. 501. Polished wood backs, assorted bristle and fibre	...	...	per doz.	8/6
" 504. " " " with handle	...	...	"	8/-
The "Orlwara," octagon shape	...	...	"	9/6

TOOTH BRUSHES—

Bone handles	...	4 rows	...	per doz.	No. 700	No. 701	No. 702	No. 705
					6/-	7/-	8/-	10/6
Celluloid handles	...	4 rows	...	per doz.	No. 704	No. 707		
					6/-	7/6		

SHAVING BRUSHES—

Bone handles, hog hair	...	...	per doz.	14/-
" imitation badger	"	18/-

 **New Illustrated Price List post free on application.**

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91/92 GREAT SAFFRON HILL LONDON, E.C.1

We Manufacture all we sell.

We have representatives in
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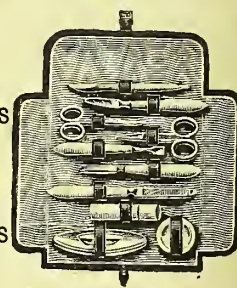
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NAIL FILES



DRESSING COMBS
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Ring up City 3526.

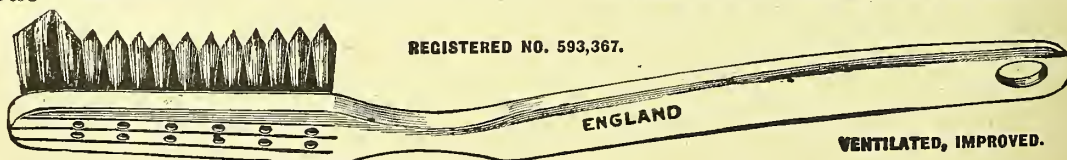
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ROBERT ADDIS & SON, — Tooth Brush Manufacturers, —

London Brush Works, London Fields, N.E.

The "ASEPTIC" or "PROPHYLACTIC."

When not in use, a Tooth Brush should not be allowed to remain wet, or it becomes offensive. The advantage of this Brush is—it can be hung up to drain, allowing the air to dry and purify it.



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To be obtained from Wholesale Houses. Packed in cartons, facilitates sales and ensures brush reaching user in clean and antiseptic condition.

Telephones:
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Telegrams:
"Astigmatic, Smith, London"
Cables: "Astigmatic, London"

RAPHAEL'S LTD.

HATTON GARDEN, LONDON.E.C.1

FINGER-PIECE RIMLESS MOUNTS.



IN

1/10 12-CARAT GOLD FILLED,

1/20 12-CARAT GOLD FILLED,

AND

1/30 12-CARAT GOLD FILLED.



The most eminent Physicians and Surgeons
prescribe "OPPENHEIMER" products
because of their reliability.

"BI-PALATINOIDS"

OF NASCENT

FERROUS CARBONATE (No. 500)

The Standard Hæmatinic.

NO Chemist can afford to be without them.

*Medical men agree
that there is no more
valuable Tonic Food.*

"ROBOLEINE"

*Children agree
that there is
none so palatable.*

The Chemist who doesn't maintain his
stock of "Roboleine" makes a mistake.

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"The Cream of Magnesia."—*Lancet.*

Neutralises Stomachic Acidity without Evolution of Gas.

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Entirely British House since Foundation in 1891.

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TRADE
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'WELLCOME' BRAND SODIUM SALICYLATE, B.P.

(Physiologically pure)

Some
distinct
features

1. Easily soluble.
2. Solution is bright, clear and water-white.
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In cartons of 11lb., 41b. and 71b.; also in bottles
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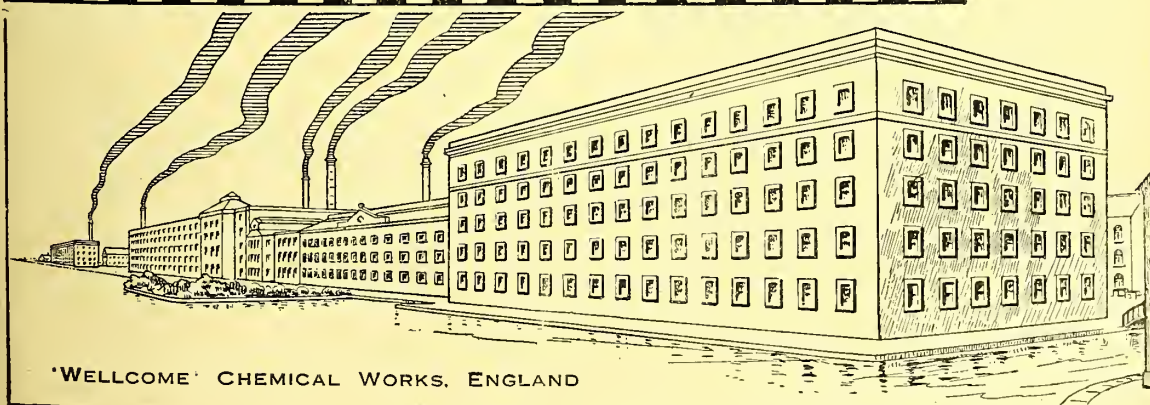
Prices on application



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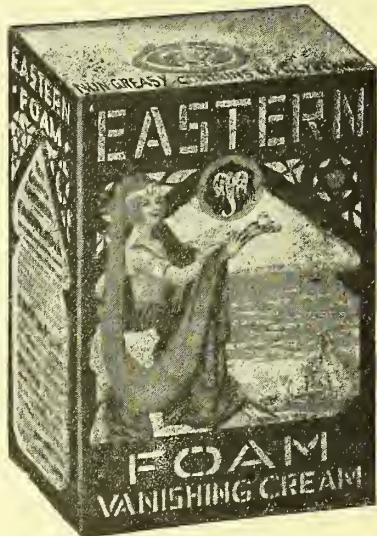


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'EASTERN FOAM'

Our Summer Advertising Campaign is now in full operation, including our offer of samples, hundreds of applications for which are received daily.

A greatly increased demand is already apparent, and we trust that pharmacists will secure stocks in good time.



Please write for our
Special Display Terms
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Retail Prices (P.A.T.A.)
Standard Package, 1s. 4d.
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box), 3d.

**22-30, Graham Street, City Road,
LONDON, N.I.**



A Weekly Journal of Pharmacy and of the Chemical and Drug Trades

THE CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists and Druggists' Society of Ireland, and of many Chemists' Societies in the Overseas Dominions.

Subscription Rates. TWENTY SHILLINGS a year of the world, including a copy of *The Chemist and Druggist Diary*. Subscriptions may begin with the first issue of any month. Single Copy 9d. post free; *Diary*, 5s. post free. Postal orders and cheques should be crossed "Bank of Liverpool and Martin's Ltd."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 20s., franco

Precio de suscripción anual: el periódico una vez por semana, y el agenda una vez por año 20ch., franco.

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HEAD OFFICE: 42 CANNON STREET, LONDON, E.C. 4.
 Telegrams: "Chemicus, Cannon, London." Telephone: Central 3617 (three lines).
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Coming Events.

Wednesday, Aug. 4.

Pharmaceutical Society of Great Britain, 15 Bloomsbury Square, London, W.C., at 11 A.M. Council-meeting.
 Edinburgh Chemists', Assistants', and Apprentices' Association.
 Botanical excursion to Colinton to the garden of Mr. F. McOmish Dott. Leave Caledonian Station, Princes Street, at 7.30 P.M.

SOCIETY OF CHEMICAL INDUSTRY.—A general meeting is to be held at Central House, Finsbury Square, London, E.C. 2, on August 9, for the purpose of confirming the by-law raising the annual subscription adopted at the annual meeting in Newcastle-upon-Tyne.

Wills.

MR. WILLIAM GOULDIN, retired chemist and druggist, Upwell, Cambridge, who died on May 2, has left 8,355*l.* 19*s.*

DR. BERNARD MORE, 69 Parliament Hill, Hampstead, London, N.W., a director of the Mond Nickel Co., Ltd., who died on March 12, left estate valued at 44,653*l.* 12*s.* 10*d.*

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Contracts.

The following Government contracts have been notified:

ADMIRALTY.—*Calcium Carbide*.—Lockerbie & Wilkinson (Tipton), Ltd. *Crucibles*.—The Morgan Crucible Co., Ltd. *Disinfectants*.—R. Young & Co., Ltd.; Jeyes' Sanitary Compounds Co., Ltd.; Newton Chambers & Co., Ltd. *Soft Soap Substitute*.—Ferguson, Shaw & Sons. *Thermometers*.—A. Peroni; Powell's Thermometer Co.

INDIA OFFICE.—*Lint*.—Vernon & Co., Ltd. *Permanganate of Potash*.—Burgoyne, Burbidges & Co., Ltd.

POST OFFICE.—*Calcium Carbide*.—W. Moyes & Sons. *Dry Cells*.—Siemens Bros. & Co., Ltd. *Manganese Chloride*.—Thomas & Strachan. *Sealing Wax*.—J. F. Craddock & Co. *Soap*.—Price's Patent Candle Co., Ltd.

CROWN AGENTS FOR THE COLONIES.—*Dental Outfit*.—Dental Manufacturing Co., Ltd. *Drugs and Chemicals*.—Burgoyne, Burbidges & Co., Ltd.; Howards & Sons, Ltd. *Laboratory Apparatus*.—F. E. Becker & Co. *Linseed Oil*.—J. L. Seaton & Co. *Novarsenobillon*.—May & Baker, Ltd.

H.M. PRISON COMMISSION.—*Drugs and Sundries*.—Baiss Bros. & Co., Ltd. *Soap*.—Price's Patent Candle Co., Ltd.; John Knight, Ltd.

Poisonings.

The following cases of fatal poisonings have been recorded since our last report:

At Welton, a workman died from drinking turpentine, administered by his wife in mistake for medicine.

J. J. Fagan, a young composer living in Bayswater, London, W., committed suicide by taking hydrocyanic acid while of unsound mind.

An inquest was held at Windsor, on July 27, on the body of James H. Freezer, a farm bailiff. The evidence showed that, intending to take a dose of medicine, the deceased swallowed butter of antimony, although the bottle containing it was labelled "Poison." A medical witness stated that the internal organs were found to be much corroded. A verdict of "Death by misadventure" was recorded by the coroner.

Birmingham.

Dr. J. E. Coates, of Birmingham University, has been appointed Professor of Chemistry at Swansea University at a salary of 800*l.* a year.

Drivers in the employ of Cadbury Brothers, Ltd., and S. Thornley, Ltd., were awarded prizes in the recent Commercial Motor Vehicles Parade.

The Birmingham Qualified Dentists' Public Service has established a dental clinic for the treatment of persons who are entitled to this benefit of the National Insurance Acts, and their families.

The conferment of the degree Ph.D. (Doctor of Philosophy), a prerogative in times past of Continental universities, has for the first time this year been granted by the Birmingham University to three graduates.

Charged with obtaining money on false pretences by variously representing himself as an inspector of the city health department and as a doctor, a shoemaker named Barratt was sentenced to nine months' hard labour at the recent Birmingham Assizes.

Liverpool.

Mr. A. E. Killon, chemist and druggist, late of 42 Kingsley Road, has been registered a medical practitioner on passing his Final examination at the University.

Mr. A. Lawrence, Great Charlotte Street, has returned from a fortnight's holiday in the Western Highlands of Scotland, including a visit to his brother, Mr. Samuel Lawrence, chemist, Oban.

A Liverpool pharmacist, who explored the shops of Bettws-y-coed in search of a doll in Welsh costume for

his little girl, was at length referred to the local pharmacy, where he was supplied.

The Liverpool "Daily Post and Mercury" gave several columns in all to the proceedings of the British Pharmaceutical Conference, and the visit to Southport occupied no less than a column and a-half in the "Southport Visiter."

Mr. William A. Wynne, Ph.C., Rock Ferry, was absent from the British Pharmaceutical Conference owing to a fractured ankle. Much commiseration was expressed regarding his accident as the great excursion left Rock Ferry on July 22.

Mr. Whitfield, Scarborough, who was the last of the Conference guests to leave Liverpool, has booked berths on the s.s. *Canada* for himself, his wife, and his daughter for September, when they are to commence a tour of the United States and the Dominion.

W. Bro. R. C. Herman, C.C., has been presented by the brethren of the Wilbraham Lodge (1713) with a Chippendale chiming timepiece in celebration of his marriage and of the eighteenth anniversary of his initiation of the Lodge, of which he has been A.D.C. for several years.

Many of the Conference visitors availed themselves of the opportunity of visiting the laboratories of Evans Sons Lescher & Webb, Ltd. One group, which was conducted round by Mr. William Brinson, of the representative staff, consisted of twenty-two pharmacists and their friends from places as far distant as Newcastle-on-Tyne and Dublin. All of them were full of admiration for what they saw, and at the close of the visit a hearty vote of thanks was accorded to the directors of the company at the suggestion of Alderman C. J. Wain, J.P., Ph.C., Newcastle-under-Lyme.

Mr. Prosper H. Marsden, lecturer in materia medica and pharmacy in the University of Liverpool, was amongst the number of those who accepted the invitation of Sir Francis Danson (chairman of the Incorporated Liverpool School of Tropical Medicine) to a dinner in celebration of the opening of the Sir Alfred Jones laboratories on July 24. Mr. and Mrs. Marsden were also present at the ceremony of the opening of the laboratories. The building has cost 25,000*l.*, granted before the war from the estate of the late Sir Alfred Jones, the chief promoter of the School of Tropical Medicine, first conducted at the Royal Southern Hospital twenty-five years ago. During the ceremony the Mary Kingsley Medal was presented to Dr. Andrew Balfour (Wellcome Bureau of Scientific Research), and it was announced that the medal had also been awarded to Mrs. Albert Chalmers (in recognition of the work of the late Dr. A. J. Chalmers) and others.

Manchester.

Several business changes are being negotiated in Manchester and district.

A special neurological clinic and an ophthalmic clinic have been established by the Ministry of Pensions (North Western Region) at 1 North Parade, Deansgate. Arrangements have been made for the dispensing of prescriptions, on the same basis as under Insurance regulations, by panel pharmacists.

Sheffield.

A new malaria clinic has been opened in Brocco Bank.

Some difficulty is being experienced in compiling the war work of local pharmacists, as the reference is so wide that almost all chemists will be covered.

The Sheffield University's two new chairs (fuel technology and economics) have been filled by Dr. R. B. Wheeler and Mr. Douglas Knoop respectively.

Mr. H. Bown, chemist and druggist, Vice-President of the Sheffield Pharmaceutical and Chemical Society, has passed the first professional examination of the Conjoint Board (London) in zoology.

Among the "summer sale bargains" quoted by John Walsh, Ltd., are the following: 1-lb. bottle glycerin, 2*s.* 6*d.*; Howard's seidlitz powders, 1*s.* 4*d.* doz.; bicarbonate of soda, 3½*d.* lb., 6½*d.* 2 lb.; boracic powder, 1*s.* lb.

An increase of the annual subscription to the local Society, which has been felt necessary for some time, is now inevitable. Calls for the newly formed Federation will become a permanent drain on the funds.

"Members of the local associations will have to use tact if they wish to avoid a split between the proprietor and non-proprietor members," writes a correspondent; "for example, in Sheffield the President, treasurer, and secretary, together with a good proportion of very active workers, are non-proprietors."

The committee appointed by the Minister of Health, of which Dr. Arthur Hall, F.R.C.P., is a member, to select candidates for an outdoor medical staff, have elected two well-known Sheffield medical men, Dr. A. Young, of Collegiate Crescent, and Dr. D. G. Newton, of Gladstone Road. Dr. Young has represented the Panel Committee at the various conferences with the Pharmaceutical Committee. (See p. 58.)

Miscellaneous.

ACCIDENT IN A SHOP.—A bottle burst in the shop of Mr. F. W. Pare, chemist and druggist, Chorley Old Road, Bolton, recently, and Mr. John Gorse, an assistant, sustained considerable injury to his face and hands.

ALLEGED BURGLARY.—The London "Evening News" states that burglars recently stole drugs and perfumery to the value of over 500*l.* from the depot of Boots, Ltd., in Borough Road, S.E., and that the haul included cocaine and morphine salts.

TO MINOR FAILURES.—Students who have been receiving Government grants and failed to pass their Qualifying examinations are eligible for a further grant, under certain conditions, for three months. They should apply for this purpose to the original board who recommended the previous grant.

WHOLESALE CHEMISTS' AND DRUGGISTS' CRICKET CHAMPIONSHIP.—"Allenburys" v. Stevenson & Howell was played on the "Allenburys" ground at Walthamstow on July 17, and resulted in an easy win for the home team, the scores being 103—38. The notable feature of the match was Blick's bowling, who for "Allenburys" took seven wickets for sixteen runs.

A MINISTRY OF HEALTH INQUIRY.—The Ministry of Health is having an analysis made throughout the country by the prescription pricing bureaux of 10,000 prescriptions in each area to show the number of stock mixtures, ordinary mixtures, ointments, liniments, etc., and whether containing solids or liquids, with the size of mixtures and many other details.

PEARS' ATHLETIC CLUB.—The twenty-ninth annual sports of the Pears' Athletic Club were held recently on the club grounds at Isleworth. An interesting programme of racing and jumping was carried through. The relay race between teams from Oxford Street and Isleworth was again won by the Isleworth team. At the close of the racing the prizes were presented by Mr. Robert Pears, a director of A. & F. Pears, Ltd.

MEDICAL HERBALISTS.—The fifty-sixth conference of the National Association of Medical Herbalists took place at Leeds recently, under the chairmanship of Mr. K. Culpan (Luddendenfoot). The election of officers resulted as follows: *President*, Mr. Culpan; *Vice-President*, Mr. W. B. Lingard (Halifax); *Treasurer*, Mr. W. Jennings (London); and *Secretary*, Mr. C. Burdon (Worcester). It was resolved to increase the annual subscription.

BRITISH INDUSTRIES FAIRS.—The Board of Trade has appointed a committee, consisting of the following, viz.: Sir Frank Warner, K.B.E. (chairman), Mr. W. A. Anderson, Mr. P. W. L. Ashley, C.B., Sir W. H. Clark, K.C.S.I., C.M.G., Mr. J. W. Murray, Mr. G. C. Vyle, and Major F. H. Wedgwood, to consider the best policy to be adopted in future as regards British Industries Fairs, particularly in respect of the centres at which they should be held, the trades which should be included, and the classes of exhibitors who should be allowed to participate.

EXETER UNIVERSITY COLLEGE.—At the close of the session of the School of Pharmacy, Professor W. H. Lewis, Mr. A. H. Ware, and Mr. W. A. T. Nash—members of the teaching staff—received suitably inscribed

presentations, together with a framed photograph of the students and staff. Mr. M. H. German made the presentation on behalf of the students. Ten of the students who sat at the July examination of the Pharmaceutical Society passed in both parts, and twenty-seven others in Part I. Every place in the school for the next session has already been allotted.

LONDON CHEMISTS' GOLFING SOCIETY.—The annual competition for the Carmichael trophy of the London Chemists' Golfing Society was played at Old Fold, Barnet, on July 22, and resulted as follows:

W. Attwood	W. Chapman 101-18=83
(winner) ... 93-18=75	M. W. Carmichael ... 93-9=84
P. Trick ... 85-4=81	L. G. Hammer 99-15=84
Q. N. Taylor 96-15=81	W. Duncan ... 102-18=84
J. L. Leith ... 88-6=82	
H. Bartlett ... 88-5=83	

INSTITUTE OF CHEMISTRY.—The pass list for the July examinations of the Institute of Chemistry is as follows: *Fellowship.*—In the branch of metallurgical chemistry, A. C. Melville; in the branch of the chemical technology of textiles, G. E. Knowles; in the branch of agricultural chemistry, G. G. Auchinleck and H. C. S. de Whalley. *Associateship.*—In the branch of mineral chemistry, E. A. Morris; in the branch of metallurgical chemistry, C. Hollingsworth; in the branch of organic chemistry, L. V. Cocks and R. G. M. Dakers; in the branch of the chemistry of food and drugs, S. Greenberg, Vera Newcombe, and H. C. M. Winch; in the branch of the chemical technology of coal-tar dyestuffs, A. Potter.

IN THE COURTS.—At Reigate, recently, a lad named Grevatt was bound over on a charge of stealing a sum of money belonging to his employer, Mr. Harry Hocken, chemist and druggist, Station Road, Redhill.—At Mansion House Police Court, London, on July 27, Archibald Eadie & Co., Ltd., paint manufacturers, Glasgow, were fined 5*l.*, with 5*l.* 5*s.* costs, on each of two summonses for having applied a false trade description, contrary to the provisions of the Merchandise Marks Act. It was shown that one of the samples of their "genuine white lead" contained sulphate of barium, sulphate of lead, and oxide of zinc, 84.2 per cent. of one sample and 71.5 of the second being genuine white lead.—At London Sessions, on July 28, Iris Barclay (23), who when arrested struggled for the possession of a matchbox containing cocaine, was sentenced to fifteen months' imprisonment for stealing eight 1*l.* Treasury notes.

BUSINESS RENTS COMMITTEE.—At the sitting, on July 20, of the Select Committee of the House of Commons which is considering the problem of shortage of business premises and the increasing rents, Mr. E. W. Rushworth, representing the Surveyors' Institute, said it would not be unreasonable to increase the rents of business premises by 100 per cent. That did not apply where there are running contracts, like leases, but when those contracts came to an end the rise in price must begin to apply. It is necessary to consider the case of the trustee who had let premises to, say, a chemist who could pay 400*l.* a year. A bank came along and offered 2,000*l.* What was the trustee to do? If he did not turn out the chemist, who might be a very old tenant, the beneficiaries under the trust might say that the trust was being badly administered.

STRENGTH OF HEADACHE POWDERS.—The latest quarterly report of the Durham county inspector states that samples of headache powders have been procured during the past quarter from small general shops in the county, and are at present undergoing analysis. The report continues: "Many years ago the inspectors of this department gave their attention to headache powders in general. These are usually composed of a powder which, if taken in excessive quantity, has a very injurious effect upon the heart, and the analysis then made revealed the fact that these powders were much too large, and in the case of young children might prove fatal. I called the attention of the manufacturers then to the matter, and they quite agreed that the dose should be reduced, and for some

years no complaints reached me, showing that the manufacturers had carried out their intention. Apparently carelessness has now crept in, and I think that will account for the unfortunate deaths which have occurred in various parts of the country."

Irish News.

Brevities.

At Portrush, co. Antrim, Petty Sessions, Mr. Alfred C. Scott, J.P., R.D., Main Street, was summoned for failing to keep a record of retail sugar sales, as required by Statutory Rules Order 1330, December 24, 1917. The magistrates imposed a fine of 5*s.*, and costs.

It is alleged that Mr. Hay, chemist, Cork, who died recently after suddenly becoming seriously ill, was unable to have medical attendance owing to the fact that "curfew law" had been imposed on the city, and the doctor who was summoned had no permit to be out of doors.

In the recent riot at Tuam the windows of McNamara's Medical Hall and of the pharmacy belonging to Mr. F. F. Stafford, Ph.C., were smashed. The premises of the latter also suffered considerable damage. At Newcastle West Mr. Michael Dore's pharmacy had the plate-glass window destroyed under similar circumstances.

Mr. H. T. Beggs, Ph.C., Dalkey Medical Hall, has passed the third professional examination of the Royal College of Surgeons and Physicians, Ireland. Mr. Beggs, who is the youngest son of Mr. George D. Beggs, Ph.C., ex-President and hon. treasurer of the Pharmaceutical Society of Ireland, took over the business of the Dalkey Medical Hall from his father two years ago. During the session Mr. Beggs obtained several prizes.

Thos. Wall, a labourer, was recently prosecuted by the police in the Dublin Police Courts, before Mr. Cooper, K.C., for keeping methylated spirit for sale without a licence. A police-sergeant, giving evidence, said the spirit was known as "Johnnie" among a certain class. Mr. Cooper said he would have to dismiss the case, as methylated spirit did not come within the provisions of the Licensing Acts. The defendant could be reached in another way. Mr. Davis, solicitor for the police, said it was a question for the Revenue authorities.

At the Galway Assizes, Thomas Hayes, Portumna, appealed from a decision of the County Court Judge decreeing him for 35*l.* and 6*l.* costs at the suit of Mr. H. V. Goldon, Birr, who sued for the detinue of a perfumery case and other articles of a chemist's business, and for the rent of the premises in which these articles were contained. Mr. Davitt, for plaintiff and respondent, said he was a chemist at Birr, but some time ago he opened a business in Portumna. Mainly owing to ill-health, plaintiff was forced to discontinue his business in Portumna, and when he went to remove his property from the premises he was prevented from doing so by the defendant. Defendant's case was that the articles in question were trade property. His lordship said defendant had no right to detain the plaintiff's property, and affirmed the decree for 35*l.*, reducible to 10*l.* if the wall-case and brass fittings were returned, and he allowed 6*l.* 10*s.* expenses of appeal.

Belfast.

The wholesale drug-houses in Belfast resumed business on July 19, after the annual holidays.

The courses in dentistry have been approved by Queen's University Senate, and arrangements have been completed for commencing the new department in the University next session.

Belfast chemists and druggists escaped well in the looting which accompanied the recent riots in that city. The only damage reported was that a window in the door of Mr. J. S. Balmer's Medical Hall, Strandtown, was broken.

Scottish News.

Brevities.

Adverse weather conditions have practically ruined the honey season in the Central Highlands.

Mr. David McNay, chemist and druggist, Kilmarnock, has been appointed by the Scottish Board of Health to a vacancy in the Kilmarnock Borough Insurance Committee.

The Perth Burgh Insurance Committee has warned a local doctor that, in its opinion, some of his prescriptions showed considerable carelessness, which might have led to serious consequences.

Surgeon-General W. G. Don, L.R.C.S. Edin., M.D. Edin., whose death in London, at the age of eighty-five years, was recently announced, was a life-governor of the Royal Scottish Corporation and a past-President of the Caledonian Society of London.

Striking tributes were paid to Mr. D. R. Steuart, F.I.C., F.R.S.E., on the occasion of his recent retirement from the position of chief chemist at the Broxburn Oil Co., Ltd., a post he had held for forty years (*C. & D.*, July 17, p. 44). In addition to an illuminated address, he was presented with the sum of 361*l.* Appreciations of Mr. Steuart also appeared in the local Press.

At the quarterly meeting of the Ayrshire Insurance Committee, held recently, it was stated that the scheme arranged with the Pharmaceutical Committee with reference to the hours during which the places of business of chemists were to be open, and as to arrangements for dispensing prescriptions when shops were closed, was working satisfactorily.

In several parts of Scotland pennyworths of "sugarally" or "allacreish" (*i.e.*, black sugar or *succus glycyrrhizæ*) are in great demand by children for the purpose of making up bottles of "sugarally water," and the old rhyme:

Sugarally water, black as the lum,
Gether up preens (pins) and ye'll a' get some,

which seems to have been handed down from generation to generation, is still heard in the streets.

At the recent examinations for bursaries in arts at the University of Edinburgh, George R. McNab, son of Mr. Walter G. McNab, chemist and druggist, Gorebridge, Vice-President of the Scottish Pharmaceutical Federation, was successful in taking the seventh place for Scotland in the general bursary list, and was awarded the Maule bursary of 22*l.* a year for six years. In addition, he took third place in the John Welsh mathematical bursary, and third in the Renton bursary. This success follows a series of school triumphs.

Edinburgh.

Demonstrations of various surgical operations were shown to a company of medical men by means of films at the Royal Medical Society, Melbourne Place, on July 26. Edinburgh University was one of the pioneers in the use of film records for medical teaching.

Mr. Thomas Stephenson, Ph.C., referring to our note in last week's issue (p. 67), writes that, although he has resigned the secretaryship of the Edinburgh Rotary Club, he is still honorary secretary of the British Association of Rotary Clubs, and it was mainly on account of the work involved in this latter office that he was obliged to resign the secretaryship of the local body.

That a druggist's widow was responsible for the erection of the Edinburgh Merchant Company's school is revealed in "The Company of Merchants of the City of Edinburgh and its Schools, 1694-1920," a book recently written by Dr. George Harrison. At a meeting of the company on June 4, 1694, it was announced that "Mary Erskine, relict of James Hair, druggist, had mortified Ten Thousand Merks for maintenance of Burges children of the female sex. . . ."

Fife.

Smart's Ltd., chemists and aerated-water manufacturers, have opened a factory, fitted with the latest machinery, at Wemyss. The company's syphons are larger than those usually supplied, containing 40 oz. Mr. William Smart, chemist and druggist, is the managing director.

In Kirkcaldy Sheriff Court, recently, Mrs. Mary Mills Thomson or Herd brought an action for declaration and adherence and aliment against her husband, Robert Stark Herd, chemist and druggist, 76 David Street. The Sheriff ordained the defender to adhere to the pursuer, and in the event of his failing to do so to make payment to her of aliment of 15*s.* weekly; found pursuer entitled to access to the children; and found defender liable in expenses.

Glasgow.

Mr. Donald Macaulay, 40 St. Enoch Square, is now representing J. C. Eno, Ltd., Lysol, Ltd., and Luce's Eau de Cologne Co., Ltd.

Mr. S. Levine, chemist and druggist, Dumbarton Road, Partick, has taken over the business at 41a Morrison Street, Govan, formerly carried on by Mr. H. H. Heal, chemist and druggist.

Position of Rexallites.

THE doubt which existed in the minds of the agents in this country of the United Drug Co., of America, as to their position under the amalgamation scheme with Boots Pure Drug Co., Ltd., has been set at rest by a circular which has been sent to Rexallites. This document, which is dated July 21 and is sent from Liverpool, mentions that the announcement could not be made until the transfer of the Boots shares had taken place—"before we actually owned the business." The circular continues:

The acquisition of the Boots interest does not in any way change or affect your agency contract with the United Drug Co., and I trust will not change the very pleasant business relations that have always existed between us. You have a stamped agency contract, and so long as you live up to that contract we would not—in fact, could not—deprive you of any of the rights or privileges that the contract grants you.

The first result of this deal will be to give you British-made goods identical in every respect with those heretofore supplied from Boston. It will take some months to secure supplies of bottles, cartons, labels, jars, tins, etc., to cover the whole Rexall line, but just as soon as the Nottingham laboratories have turned out our present Rexall lines in sufficient quantities we hope to add new lines that have been in urgent demand as rapidly as possible. . . .

For the present the Liverpool branch will be carried on as usual, but just as soon as the building is available we expect to move to Nottingham, although this organisation there will be intact and quite separate from the Boots organisation.

Bankruptcy Report.

Re G. E. Newton & Co. (G. E. E. Newton, trading as), 74 Great Tower Street, E.C., chemical merchant.—An application for an order of discharge was made on July 23 at the London Bankruptcy Court to Mr. Registrar Francke on behalf of this bankrupt, who failed in October 1919, with provable debts 4,190*l.* The Official Receiver (Mr. F. T. Garton) reported the following offences: (1) insufficiency of assets to equal 10*s.* in the £1 on the amount of the liabilities; (2) omission to keep proper books of account; and (3) trading with knowledge of insolvency. It was further reported that the bankrupt had not performed the duties imposed by the Act in attending on the Official Receiver and the trustee when required, and he had showed the greatest possible reluctance in giving information regarding his assets. The Registrar suspended the discharge for three years.

The Profiteering Act.

Notes.

NEW CHAIRMAN APPOINTED.

MR. JOHN MURRAY, M.P., has been appointed chairman of the Central Committee under the Profiteering Act, in succession to Mr. C. A. McCurdy, K.C., M.P.

DRUGS SUB-COMMITTEE'S INVESTIGATIONS.

The Drugs Sub-Committee of the Investigation of Prices Standing Committee of the Board of Trade (Profiteering Act Department) has been requested to undertake investigations in connection with liquid extract of ergot, sodium glycerophosphate, calcium glycerophosphate, and adhesive plaster, and has arranged for an inquiry into profits in respect of adhesive plaster.

Central Committee Case.

At the sitting of the Complaints Tribunal of the Central Committee on July 16, a complaint was investigated which had been lodged by the Shakespeare Manufacturing Co., 48 Oak Street, Manchester, regarding the price charged by Crawshaw & Son, 5 Stockport Road, Levenshulme, for flavouring essence in powder form. The complainants alleged that the flavouring essence was invoiced to them at 21s. a gross, and that the cost price of the goods was only 8s. 9d. a gross. Mr. W. Robinson, the sole partner in the complainant firm, said that on November 10, 1919, he purchased two gross of "flavouring essences in powder form in 3d. packets on cards," and the invoice price was 21s. a gross. He returned 20 doz. and paid 7s. 6d. for the rest. The chairman read an analysis of the flavouring essence which had been made by Mr. A. W. Duncan, F.C.S., chief analyst to James Woolley, Sons & Co., Ltd. Mr. Duncan wrote that the complainant had submitted to him two packets of "Diploma Brand Flavouring Essence in powder form of almond and of lemon," and added: "I have made analyses of these and find that they consist of maize flour with a very small quantity of flavouring. The quantity in each packet is about $\frac{2}{3}$ of an ounce. . . . I have made a number of tests, and find that to obtain a powder having the same degree of flavour or aroma, part of a shilling bottle of almond essence, added to $\frac{2}{3}$ oz. of farina, is sufficient. . . . I found that the powder was of such bad quality that a blanc-mange made of it alone was much too weak. I have made a like analysis of the packets of flavouring essence in powder form of lemon, and compared them with a $\frac{1}{2}$ -oz. (shilling) bottle of essence of lemon. About $\frac{1}{10}$ part of a shilling bottle will make, with $\frac{2}{3}$ oz. of farina, as strong a flavour, and a more agreeable one." The witness said that the packets of essence supplied by the respondents were accompanied by a showcard which stated that a 3d. packet is equal to a shilling bottle of liquid essence. Mr. Crawshaw suggested that the complainants kept the packets of essences badly, and that they were exposed to air or heat. Witness: No, it was kept under perfect conditions. We don't expose anything in our windows. Mr. Robinson further stated that the respondents commenced proceedings to recover the price of the goods supplied. He resisted the claim, and the matter came before Judge Mellor, who suggested that an analysis should be made. Subsequently the action brought against him by the respondents was abandoned, and part of his costs was paid. Mr. George Stubbs, Government analyst, said that at the request of the Tribunal he had, in conjunction with another Government analyst, made an examination of the essence. The packet submitted to him contained about 1 oz., and it consisted of maize flour with a very small quantity of a flavouring substance. The latter was a mixture of essence of almond and essence of lemon. As a result of experiments he was of the opinion that the sample submitted to him contained about $\frac{2}{3}$ oz. of mixed almond and lemon essence, the mixed essence used containing four parts of almond to one part of lemon. Mr. Thomas Crawshaw, the proprietor of the respondent firm, said that when the goods were returned to him they were soiled, and had the appearance of having been exposed to damp. He gave particulars as to his

costs, which showed that the essences cost him 17s. 5d. a gross to produce. The Chairman: How long have you been making this stuff?—This was the first lot, but I have had a lot of experience with powders. He went on to say that for a gross of packets of powders no less than 7 oz. of essential oil of almond was used. The Chairman: What! You put nearly half a pound of essential oil in a gross of these packets?—I used a synthetic oil, which is known in the trade as oil of almonds. I purchased the oil from Stevenson & Howell, Ltd. The chairman examined a few of the packets, and said that in the opinion of some members of the Tribunal, who knew something of such matters, it was not synthetic oil that was used in the powder. The witness said that he purchased it as synthetic. The chairman, in giving the decision of the Tribunal, said that the complaint, reduced to an intelligible form, was that one packet of the flavouring essence cost approximately $\frac{2}{3}$ d. to produce, that it was sold by the makers at $1\frac{1}{3}$ d., and that it was retailed to the public at 3d. The flavouring essence had been examined by some well-known analysts, who declared that it consisted of maize flour to which there had been added a little simple colouring, and a few drops of ordinary flavouring essence, such as any housewife could purchase at the nearest chemist's shop for herself. The public, on their part, were induced to buy it on the strength of a card supplied by the makers to the shopkeepers, which stated that a 3d. packet was equal to a shilling bottle of flavouring essence, and in ordinary language the statement was not true. It was a very foolish mis-statement, because it was calculated to have a boomerang effect. It was perfectly clear that the experience of one packet of the rubbish would soon prove to any intelligent housewife that the statement was not true, and that she would be much better off by spending her 3d. in buying the ordinary essences. The respondents declared that, apart from their overhead or establishment charges, the powders cost them 17s. 6d. a gross to produce. Almost all the items making up the sum were open to criticism. The item of 6s. 6d. included for flavouring essences was clearly incorrect, and they could not possibly accept it. The Tribunal were of the opinion that Mr. Crawshaw was wrong in putting before them a sample prepared for the occasion which purported to have been made of synthetic oil of almond, but which was clearly oil of almond itself. The Tribunal were unable to accept Mr. Crawshaw's evidence in that respect. The Tribunal found that the approximate cost to the manufacturer of the packets of essence was about 8s. 9d. a gross, or say in round figures 9s. a gross. They were of the opinion that to charge 21s. a gross amounted to profiteering, and a reasonable price for the respondents to have charged would have been 13s. 6d. a gross. Under ordinary circumstances a refund would be ordered, but the amount in the present case would be so trifling that no such order would be made. The finding of the Tribunal was that the respondents had committed a breach of the Act, and that they ought not to have charged more than 13s. 6d. a gross. They also desired the respondents to take warning that that class of trading, carried on in such a form, should be discontinued. The important feature of the case, so far as the public were concerned, was that it was the first time a proprietary article had been dealt with by that Tribunal. Proprietary articles were really of two types. There was the scientific preparation which was the result of research, and there was the empirical preparation which meant a bogus food-stuff or a quack patent medicine of the type that had been exposed of late by the British Medical Association in their valuable book. It was true that the credulity of the British public was immense, and he thought it was largely taken advantage of at the present time by makers of articles of the type that they had had before them. The Tribunal had to consider what their proper duty was in regard to a case of that kind. They had to consider whether they should interfere at all, and if so to what extent, when they saw the public being, to put it in plain language, humbugged and defrauded. The Tribunal felt that they had no right to interfere unduly with the liberty of the subject, but it was their duty to see that

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profiteering was not carried on at the expense of the largest section of the public, which was neither stupid nor credulous, but had no technical knowledge. In concluding, the chairman said the authorities might consider whether cases of that kind were sufficiently met by the provisions of the existing Merchandise Marks Act, and suggested that it might be necessary or desirable to consider the prevalence of that class of trading in connection with the proposed amendment of the Act.

Complaint.

KENSINGTON.—At the sitting of the Profiteering Committee on July 26, a complaint was heard against Mr. T. Hawksley Dennis, chemist and druggist, 12 Pembridge Road, W. 11, respecting an offer for sale of 1 oz. of potassium permanganate at 1s. 1d. The complainant said that he bought 1 oz. in the same neighbourhood for 8d., and complained that he had been treated discourteously by the respondent when he told him so. The chairman said that the question of alleged discourtesy was outside the province of the Committee. Mr. Anderson (Neve, Beck & Kirby), who appeared for the respondents (instructed by the Chemists' Defence Association, Ltd.), said that Mr. Dennis consulted the London Chemists' Retail Price List, and sold accordingly. The permanganate cost 8s. 9d. per lb., and the retail price worked out at about 17s. per lb., or 49.5 per cent. profit. The Act clearly stated that if the profit was not in excess of pre-war profit there could be no profiteering. That was a factor the Committee must consider. The Chairman: Has not the price of this potash been reduced very much since the armistice? Mr. Anderson said that, so far as his information went, it was retailed at 2s. per oz. during the war. Before the war Mr. Dennis was able to purchase this article at 8d. per lb., and could sell it at 2d. per oz., and if that was worked out they would find that he made a profit of 75 per cent., whereas he is now only making 49.5 per cent. Respondent, giving evidence, said that when he purchased the article at 8s. 9d. per lb. he was allowed 2½ per cent. discount for cash. He had been in business for twenty years. The chairman asked if The British Drug Houses, Ltd., were an authority on prices. Respondent: It is looked upon as the best house for quality. The Chairman: I see they quote 7s. 6d. per lb. (To Mr. Anderson): Your case is that the respondent made no greater profit than he did before the war? Mr. Anderson: That is my case in a nutshell. The chairman said the Committee could not get over the fact that the respondent made a profit of 75 per cent. before the war, and he was now making a profit by this sale or offer for sale of 49.5 per cent. They had to administer the Act as they found it. There had clearly been no profiteering under the Act, and therefore the complaint was dismissed.

New Companies.

BRITISH DOMINION CHEMICAL AND DRUG CO., LTD. (P.C.).—Capital, 1,000l. Objects: To carry on the business of chemists, druggists (except dispensing), etc. R.O.: 22 Queen Victoria Street, London, E.C.

MERX, LTD. (P.C.).—Capital, 2,000l. Objects: To carry on the business of importers, exporters, and manufacturers of and dealers in pharmaceutical, medicinal, chemical, industrial and other preparations, perfumes, etc. R.O.: 11 Tothill Street, Westminster, London, S.W. 1.

M.B. LABORATORIES, LTD. (P.C.).—Capital, 1,000l. Objects: To carry on the business of manufacturing chemists and druggists, patent medicines, and toilet preparations, etc. The first directors are: J. Menzies, 37 Commercial Road, Southampton; F. Beard, 29 Norfolk Row, Southampton. Solicitor: T. H. Goodwin, 14-15 Coleman Street, London, E.C.

HILL BROTHERS (MANUFACTURING) CO., LD. (P.C.).—Capital, 3,000l. Objects: To carry on the business of manufacturing, wholesale and retail chemists, manufacturers of and dealers in toilet requisites and preparations, medicines, drugs, etc. The first directors are: E. G. Hill, 48 Maida Vale, W.; and F. T. L. Prinsep, 14 Holland Park Road, W. R.O.: 5 Fenchurch Street, London, E.C.

Company News.

CADBURY BROS., LTD.—The directors announce that the recent issue of 600,000 8 per cent. preference shares of 1l. each having been largely over-subscribed the lists have been closed.

HOLMAN, HAM & CO., LTD.—Mr. P. F. Rowsell, governing director, has appointed Messrs. W. P. B. Arnold, P. J. Trestrail, and E. Vavasor (who for many years have held managerial positions in the company) to be directors. Mr. Arnold retains the secretaryship.

HAMILTON, LONG & CO., LTD., AND REDUCED.—In the Chancery Division, Dublin, before the Master of the Rolls on July 27, Mr. Herbert Wilson, K.C., moved two petitions on behalf of the company. He said the first petition was one for confirmation by the Court of a proposed reduction of the capital of the company. The capital of 30,000l. was now in excess of the wants of the company owing to the sale of the company's interests in Nos. 3 and 4 Lower Sackville Street. The petition also set out the resolution passed by the company, at the necessary meetings reducing the capital to 18,000l. The Master of the Rolls granted the petition, and, on the application of counsel, directed that notice of the registration of the petition should be inserted in the "Dublin Gazette," THE CHEMIST AND DRUGGIST, and the "Irish Times." Mr. Wilson said that the second petition merely dealt with the alteration of the memorandum, so that the company could let at a rent, percentage on profits, commissions, or otherwise the undertaking of the company or any part thereof for such consideration as the company might think fit and to accept payment therefor by instalments or otherwise; also to receive and take apprentices within the meaning of the Pharmacy Acts (Ireland), and for the purposes thereby authorised. The Master of the Rolls granted the petition.

W. J. BUSH & CO., LD.—The report for 1919 states that there is a gross profit of 329,460l. After providing for debenture interest, expenses, and directors' remuneration, and making allowances for depreciation, there is a net profit of 96,828l., which with the amount brought forward makes a total of 115,776l. The directors recommend a final dividend of 10 per cent. on 250,000 ordinary shares, placing to general reserve 30,000l., writing down goodwill by 10,115l., leaving to be carried forward 38,161l., subject to excess profits duty for 1919. The addition of the 30,000l. allocated as above increases the general reserve to 210,000l. In March last it was decided to capitalise 125,000l. by the creation of 125,000 new ordinary shares. The amount of the general reserve to carry to the next balance sheet will, therefore, be 85,000l. An interim dividend of 5 per cent. was paid on the original ordinary share capital of 125,000l. in January 1920. The final dividend of 10 per cent. referred to above will be paid on the increased amount—namely, 250,000l. The annual meeting was held at the Institute of Chartered Accountants, Moorgate Place, E.C., on July 22. Mr. J. M. Bush (chairman of directors) presided, and, in moving the adoption of the above report and accounts, said the turnover in the early part of last year fell considerably, owing in a large measure to the cessation of war work, but later on a brisk demand arose and the capacity of the plant was taxed to the utmost. In many cases prices of both raw materials and manufactured products reached very high figures, and the company were able to dispose of their large stocks to exceptional advantage. As a result of these conditions both the gross and net profits are the largest in the history of the business. This is the more noteworthy as expenses were much greater, especially in respect to wages, salaries, and bonuses, which were nearly 20,000l. above the previous year's figure. It was not to be expected that these abnormal conditions would continue, and at the present moment the reverse process of diminishing sales and declining values is making itself manifest. The withdrawal of large sums of money for excess profits duty and income-tax makes it difficult to provide adequately for this contingency. At the last annual meeting the chairman referred to the increase in the duty on spirits imposed by the Budget of 1918 and the consequent

disadvantageous position of British essence manufacturers as compared with their competitors in other countries. He mentioned especially the protection given to foreign manufacturers in respect of ethyl compounds, which have to be manufactured in this country from duty-paid spirits and on which no drawback is payable when exported. "Our Government" (the chairman said), "which boasts in the House of Commons of its fostering care of national industries, cannot be said to have done any fostering in recent years in respect of the essence trade. On the contrary, the increase of 22s. 6d. per proof gallon in this year's Budget is another serious blow to this industry. In the year 1914 a puncheon of 120 gallons of spirit cost us 162l., whereas to-day it costs 790l. As we buy many such puncheons weekly it is obvious that a great absorption of capital has taken place in carrying on our business. The increase in the loan from our bankers and in the value of our stocks is due largely to this cause. In my opinion, it is extremely doubtful whether the Government will obtain any increased revenue from the essence industry through the higher duty. There is, in fact, grave danger that it will gradually lead to the employment of substitutes for spirituous essences and a resulting loss to the national revenue. The British Essence Manufacturers' Association and the Perfumery Section of the London Chamber of Commerce are again urging the Government to give some form of relief, and particularly in such directions as will diminish the absorption of capital which I have just mentioned. The principle of a differentiation of duty between alcohol used for industrial purposes and that for potable liquors has already been recognised in the case of medicinal preparations, the object no doubt being in part to prevent the disuse of the latter through a prohibitive price. The duty is 14s. 9d. per proof gallon in the case of medicinal preparations, as against 74s. for essences. If this danger is great with regard to the consumption of medicinal preparations it is equally great in respect to other commodities." Sir George Hayter Chubb, Bt., in seconding the resolution, paid a tribute to the management, and the report was adopted.

Legal Reports.

Quinine Wine Case.—At Lutterworth, recently, Mr. Thomas Henry Buswell, chemist and druggist, High Street, was summoned under the Sale of Food and Drugs Acts for selling quinine wine which was found, on analysis, to be deficient in quinine hydrochloride to the extent of 25 per cent. Mr. Simpson, solicitor, who appeared for the defence (instructed by the Chemists' Defence Association, Ltd.), explained that the wine was purchased by Mr. Buswell with a warranty. The summons was dismissed.

Chemicals Saved.—In the City of London Court, on July 14, C. F. Wheeler and J. M. Brown, transporting river pilots and watermen, Clarendon Road, Gravesend, claimed 300l. against the Parkley Steamship Co., Ltd., 16 Mark Lane, London, E.C., the owners of the iron twin-screw steamship *Startforth*, her cargo and freight, for salvage services rendered. Plaintiffs claimed to have saved the *Startforth* from sinking and becoming a total wreck, and to have saved the cargo, consisting of chemicals of one sort or another. Defendants denied that plaintiffs had rendered very valuable services, but they paid 125l. into Court, which was accepted, judgment being entered for 125l., with costs.

Salicylic Acid Contract.—In the Court of Appeal, before Lords Justices Bankes and Scrutton and Mr. Justice Eve, on July 12, the case of L. B. Holliday & Co., Ltd., Deighton, Huddersfield, and May & Baker, Ltd., Battersea, London, S.W., was heard upon the appeal of the plaintiffs from the judgment of Mr. Justice Coleridge in favour of the defendants (*C. & D.* March 27, p. 73). The case concerned the delivery of a ton of salicylic acid. At the conclusion of the argument on behalf of the appellants, and without calling upon counsel for the respondents, their lordships dismissed the appeal, with costs, holding that in the circumstances the defendants were justified in refusing to accept delivery of the salicylic acid.

Summonses Withdrawn.—At Lambeth Police Court, London, on July 28, Mr. William Redpath, chemist and druggist, 375 Norwood Road, S.E. 27, was summoned at the instance of the Lambeth Borough Council for selling Gregory's powder compounded with magnesium carbonate instead of magnesium oxide. Mr. Meggesson, appearing in support of the summonses, said the Borough Council were satisfied that a mistake was made between the wholesaler and retailer. He was prepared to withdraw the case upon payment of costs. Mr. C. H. Kirby, appearing for the defence, assented, and the summonses were withdrawn accordingly. Summonses against Mr. W. G. Robinson, chemist and druggist, 307 Raiton Road, S.E. 24, and Mr. William Ramsey, chemist and druggist, 51 Gipsy Hill, S.E. 19, for selling boric ointment deficient in boric acid, were also withdrawn upon payment of costs.

Sodium Sulphide Dispute.—In the City of London Court, on July 21, Mr. George W. H. Florey, chemical merchant, 43 Great Tower Street, claimed 69l. against Lock, Spier & Co., chemical manufacturers, Manchester, for damages for breach of contract to sell and deliver to the plaintiffs six tons 60-62 per cent. conc. solid sodium sulphide, British make, packed in good, sound iron drums at 42l. 10s. per ton. The loss was 11l. 10s. a ton. The dispute referred in the main to the interpretation of the expression "subject to safe arrival," which was a condition made by defendants in their confirmatory letter. The case occupied considerable time, and Assistant Judge Jackson said he thought the words "for safe arrival" meant a conditional contract upon the arrival of the goods. He thought that was borne out by the letters, particularly one referring to the possibility of a "slip between the cup and the lip." He must find for the defendants with costs, but he would give the plaintiff every facility for going elsewhere, to which end he stayed execution.

Cream of Tartar Case.—At Northampton, on July 21, the borough magistrates heard summonses against the Home Yeast Co., Ltd., and Payne & Sons, who were charged, under the Sale of Food and Drugs Acts, with selling cream of tartar found on analysis to contain fifty-three parts of lead per million. In the first case Mr. Batley, who appeared for the defendants, raised the objection that the summons was not issued within twenty-eight days of the time of the purchase, if the day of the purchase was included in the twenty-eight days. The Bench ruled that the day of purchase was not included, this ruling following that recognised by the judicature of Scotland. It was stated that in England no superior Court had given a ruling. Mr. Batley subsequently raised the objection that the inspector who purchased the sample should have asked for purified cream of tartar for the prosecution to have succeeded, as ordinary cream of tartar was not a drug. The objection was upheld, and the summons was dismissed. The other summons was withdrawn.

A Dispensing Prosecution.—At Brighton Police Court, on July 26, Taylor & Co. (Brighton), Ltd., were summoned, under the Sale of Food and Drugs Acts, for having sold at their shop, 59 North Street, medicine not composed of the ingredients demanded. Mr. Bertram S. Inskip, chemist and druggist, their manager, was summoned for aiding and abetting. Mr. C. J. M. Whittaker, instructed by the Chemists' Defence Association, Ltd., defended. Mr. T. B. Milne, prosecuting, said that on June 11 an inspector under the Acts sent a man into the defendants' shop with a prescription containing potassium bromide as one of the ingredients; the prescription was signed "D. Campbell, M.R.C.S." The sample of the mixture, subsequently analysed by the public analyst for Brighton, was found to be deficient in potassium bromide to the extent of 22.8 per cent. It was not suggested that any undue profit had been made. Mr. Whittaker, for the defence, explained that the dispensing solution used had been made by an assistant recently released from the Army, and it appeared that he had used avoirdupois weight instead of troy weight for the bromide. The defendants were prepared to give an undertaking that no such mistake would occur again in the future. The chairman announced that the case would be dismissed on payment of costs.

British Pharmaceutical Conference.

The Liverpool Meeting.

THE following are abstracts of the three papers in the Science Section which were taken as read on July 21, as mentioned in our last issue (p. 100).

Note on a Sample of Mutton-Bird Oil.

By NORMAN EVERS, B.Sc., F.I.C., and H. J. FOSTER.

[ABSTRACT.]

MUTTON-BIRD oil, the oil of the sooty petrel (*Streptopelia lessona*), found in the Antarctic regions, has been recommended by J. S. Purdy ("Brit. Med. Jour.," 1918, i., 174) as a substitute for cod-liver oil. The oil in question is stated to be carried in the stomach of the bird. The authors examined two samples purporting to consist of mutton-bird oil, one of which (a) had been received from Tasmania, and the other (b) from New Zealand.

On examination the following results were obtained :

	A	B
Appearance...	Clear brown liquid	Yellowish brown, semi-solid at ordinary temperatures
Odour and taste...	Slightly fishy, not unlike cod-liver oil	Fishy
Specific gravity...	0.8835 (15.5°/15.5°)	0.9179 (20°/15.5°)
Refractive index 20°	1.4712	1.4713
Saponification value	125.9	200
Iodine value...	132	99.5
Acid value...	5.7	6.8
Unsaponifiable matter	31.1%	0.98%
Melting-point of unsaponifiable matter	32°	—
Ether-insoluble bromides*	10.4%	Nil
Melting-point of ether-insoluble bromides	Above 200°	—

"A" became semi-solid at 0°. Neither sample gave the sulphuric acid colour test for "liver oils."

The results given above show these two samples to be oils of entirely different characters. The figures given by "A," with the remarkable exception of the iodine value, correspond closely with those obtained by Smith, who first described this oil, showing the oil to be a liquid wax. The characters of "B" raise doubts as to whether it is mutton-bird oil at all. The experimental work for this paper was carried out in the analytical and research laboratories of Allen & Hanburys, Ltd.

The Determination of Phenol and Salicylic Acid in the B.P. Ointments.

By G. D. ELSDON, B.Sc., F.I.C.

[ABSTRACT.]

THE process adopted by the author is a modification of that described by Wilkie ("Journ. Soc. Chem. Ind.," 1911, 30, 398), and depends upon the addition of an excess of N/10 solution of iodine to a solution of phenol or salicylic acid rendered alkaline by the addition of sodium carbonate, and, after standing, titrating back the excess of iodine after acidification. The test is applied as follows: 0.5 to 0.6 gram of the ointment is weighed into a wide-mouthed flask with a capacity of 150 c.c., and is dissolved in 5 c.c. of chloroform by gently warming. Twenty-five c.c. of N/10 solution of sodium carbonate are added, and the flask is heated over a small flame, with constant shaking, until the liquid is boiling freely. Twenty-five c.c. of cold water is added, with constant shaking, under the cold-water tap, to keep cool. Fifteen c.c. of

N/10 solution of iodine is then added, the liquid is thoroughly shaken and allowed to stand for five minutes—it is important that this time should not be exceeded. The solution is then slightly acidified by the addition of sulphuric acid, and the excess of iodine is titrated with N/10 solution of sodium thiosulphate; care being taken to see that the chloroform has practically no colour at the end of the titration.

One c.c. of N/10 solution of iodine = 0.001568 gram of phenol. The same method may be followed for the estimation of salicylic acid, using in this case about 1.2 gram of the ointment.

One c.c. of N/10 solution of iodine = 0.002301 gram of salicylic acid.

The Detection of Inorganic Phosphate in Glycerophosphates.

By J. L. LIZIUS, B.Sc., A.I.C.

[ABSTRACT.]

THE following test is given in the United States Pharmacopœia, ix., p. 92: "Calcium Glycerophosphate.—Dissolve 1 gram of calcium glycerophosphate in 10 c.c. of diluted nitric acid and add an equal volume of cold ammonium molybdate test solution. No precipitate is formed within one hour (phosphate), but on boiling a yellow precipitate is formed."

A similar test is given under sodium glycerophosphate, but for some reason the addition of the nitric acid is omitted, although no precipitate is formed in any case. The test leads one to believe that whereas inorganic phosphate will be precipitated in the cold on standing, organic phosphate will be precipitated by boiling. Both of these statements are erroneous. It was found that pure glycerophosphates give no precipitate when 1 gram is boiled for a few minutes with 10 c.c. of dilute nitric acid and 10 c.c. of 10-per-cent. ammonium molybdate. In some cases a yellow coloration is produced, which is probably due to traces of inorganic phosphate. On standing after boiling a precipitate develops slowly—more quickly in the case of the α salts, which seem to be less stable than the β salts.

By using 0.1 gram instead of 1 gram of substance, and still using 10 c.c. dilute nitric acid and 10 c.c. of 10-per-cent. ammonium molybdate, a satisfactory test was obtained, which test clearly indicates the presence of inorganic phosphate either by standing in the cold or by boiling. Samples were tested containing the following percentages of phosphoric acid: .02 per cent., .06 per cent., .01 per cent., .02 per cent., 2 per cent. Yellow colorations were obtained in the first two, and a decided turbidity in the 0.1 per cent. samples. Higher percentages of phosphoric acid give an immediate precipitate. The modification adopted by the author will clearly indicate the presence of 0.1 per cent. of inorganic phosphate in glycerophosphates. He then referred to Scott and Plimmer's ("J. of Physiology," 1906, 35, 120-21) method of detecting minute quantities of inorganic phosphate mixed with organic phosphorus compounds. The reagent consists of:

Ammonium molybdate, 10-per-cent. solution	80 c.c.
Hydrochloric acid, s.g. 1.16	...
Ammonium chloride	20 grams
Potassium persulphate (saturated solution)	10 c.c.

Pour the ammonium molybdate into the acid, with continual stirring; add the ammonium chloride, and when this dissolves add the persulphate. Let the solution stand to allow any phosphate in the reagents to be precipitated. Filter.

Excess of the reagent must be used—5 c.c. to 0.1 gram of the substance to be tested. If inorganic phosphate be present a precipitate will be formed in a few minutes; if organic phosphates be present, a precipitate is formed on boiling.

This reagent will unmistakably denote the presence of 0.001 per cent. of inorganic phosphate in glycerophosphate. The experimental work for this paper was carried out in the analytical and research laboratories of Allen & Hanburys, Ltd.

* Determined by the method of Gemmell ("Analyst," 1914, 39, 397).



NO. 1. MOTORS AT ROCK FERRY.
Messrs. Finnemore, Humphreys Jones, Williams, Hirst, and Evans
in front.



NO. 4. MEMBERS OF THE LOCAL COMMITTEE AT BETTWS-Y-COED,--
who "hustled" in a pilot car.



NO. 3. RUTHIN MARKET PLACE
with Conference Visitors.



NO. 12. s.s. *Magnetic* at LANDING STAGE,
with Conference Members aboard.



NO. 5. SOME SCOTTISH DELEGATES.



NO. 8. A MASONIC GROUP.



NO. 7. A FEW OF THE WELSHMEN,
with Mr. T. H. W. Idris (Past-President of the Conference)
in the centre.



NO. 6. THE IRISH CONTINGENT.

The photographs on this page are by Mr. John Cleworth, Manchester.

Liverpool Echoes.

Most of our report of the smoking concert held on July 21 was crowded out, but it should be recorded that two of the most popular turns were not billed. The first was the singing of that old Conference favourite, Mr. J. H. Franklin, by whom "The Arrow and the Song" and the invitation to "Maud" were rendered with a purity and an art quite unimpaired by time. The second item was the contribution to a study of English history by the inimitable and irrepressible Dr. Crossley-Holland, who is an absolutely essential ingredient in a successful pharmaceutical gathering.

The luncheon "puzzles" referred to in last week's issue (p. 106) included the ancient Latin "catch" about the sow and the apples:

Mea mater mala est sus.

Another was the French:

Je suis ce que je suis,
Je ne suis pas ce que je suis,
Car si j'étais ce que je suis,
Je ne serais pas ce que je suis.

Feminine pharmacy had several representatives at the Conference. Besides Councillor Margaret Buchanan, there were present at the various functions Miss K. N. Hornblow, who owns one of the best businesses in Llandudno, and Miss Mary C. Dodd, of Wallasey. The ladies standing two steps behind Mr. Feaver Clarke in the photograph on page 104 of last week's issue are his daughter, Miss Dorothy Clarke, and Miss Ford. In the northern town of Kirriemuir (immortalised by Sir James Barrie as "Thrums") Miss Ford carries on a pharmacy in partnership with her sister—also a qualified chemist. In the palatial dining-saloon of the *Minnedosa* we forgathered over the tea-cups with a quiet and unassuming (but distinctly alert) little lady who has been associated with Liverpool pharmacy all her life. This was Miss Warhurst, who had joint control with her mother for some years after the death of her father, Mr. W. T. Warhurst, of no fewer than sixteen pharmacies, and is still the sole proprietor of half a dozen chemists' businesses in Liverpool and suburbs.

Not even a Welsh downpour could damp the ardour of the 431 members of Thursday's excursion party, and all did full (though tardy) justice to the excellent luncheon provided in the immense marquee at Bettws-y-coed. The taking of the Conference photograph appeared to occupy nearly all the time between luncheon and tea, and it remains to be seen how many of the group achieved the feat of standing still on a (wet) slope while a camera pursued its leisurely revolution.

The steady downpour of rain on Friday morning militated considerably against the attendance at Port Sunlight, but a score or so of members of the Conference were conducted through the offices and works. They were welcomed in the name of Lord Leverhulme, who had wished to be present to greet them personally, and were presented with illustrated souvenirs and samples.

A sturdy band of golf enthusiasts (some of whom had arrived back from Wales the previous midnight) braved the elements at Formby on Friday morning, but play was hopeless until after lunch. The first prize, a rose-bowl presented by Mr. C. A. Hill, President of the Conference, was won by Mr. W. J. Moffatt, Glasgow (net score 87); the second prize, a silver cigarette-case presented by Mr. William P. Evans, J.P., went to Mr. S. F. Alder, Liverpool (net score 90); the third and fourth prizes, presented by the Local Committee, were respectively awarded to Mrs. Whitfield, Scarborough, and Mr. Clenyg Jones, Chester. The optional sweepstake was divided between Messrs. W. J. Moffatt, S. F. Alder, and W. Frost Wood, Nottingham.

The Southport excursion was the brightest spot in Friday's proceedings, and was a fitting ending to a very successful Conference. Leaving Liverpool after luncheon under depressing meteorological conditions, Conference members to the number of about 230 presently found themselves transported to the sunshine. At the Victoria Hotel, where Mr. H. Barton presided, the Mayor of Southport was present, and the Deputy-Mayor attended at the Queen's Hotel, where the chair was taken by Mr. J. Righton. Among the speakers at the former hotel was Mr. W. F. Wells, who voiced the thanks of the gathering to the Southport hosts, mentioning especially Mr. Barton, Mrs. Hare, and Mrs. Naylor. The company was afterwards motored for two hours round the district. The 9.59 train from Southport to Liverpool was filled with a high-spirited and harmonious company of passengers, and ordinary railway business was temporarily suspended on the departure platform at Exchange Station until such time as a wide circle of enthusiasts had sung "Auld Lang Syne" and had given three cheers for the harassed but happy assistant local secretary (Mr. W. J. Williams) and his wife.

Last scene of all: Messrs. H. Humphreys Jones, John H. Robinson, W. J. Williams, and Harold Wyatt said *au revoir* to the parting guests at Lime Street Station on Saturday.

The photographs which are given on pp. 45 and 47 were taken for the *C. & D.* by Mr. John Cleworth, 56 Ducie Street, Oxford Street, Manchester, President of the Manchester Pharmaceutical Association. Mr. Cleworth is prepared to supply unmounted copies of any of these photographs at 1s. 6d., post free. The photographs should be ordered by the numbers given. In addition to those reproduced in this issue, the following are also available, and are of the same standard of excellence:

- No. 2.—A similar photograph to No. 1, but showing Messrs. Humphreys Jones and Furniss in front.
- No. 9.—Group of visitors at Calderstones Park.
- No. 11.—Group on board s.s. *Magnetic*, showing Mr. C. A. Hill and Mr. W. P. Evans.
- No. 13.—Party arriving on board s.s. *Minnedosa*.
- No. 16.—Three Portsmouth visitors (Mr. T. A. White in centre).
- No. 18.—Dr. Crossley-Holland, Mr. Cecil Owen, and Mr. Moreton Parry.
- No. 21.—At Formby Golf Course, showing Mr. C. A. Hill driving off and Mr. W. P. Evans.
- No. 23.—Inspecting building operations at Liverpool Cathedral (similar to No. 24).
- Nos. 25 and 26.—On board the s.s. *Minnedosa*.



Photo.]

MR. JOHN CLEWORTH AT WORK.

[Edw. B. Davies.]



No. 24. INSPECTING THE BUILDING OPERATIONS AT LIVERPOOL CATHEDRAL.



No. 22. AT FORMBY GOLF COURSE.

Left to right: Mr. J. M. Tallantyre, Sir Wm. Glyn-Jones, Mr. O. A. Hill, Mr. W. P. Evans, and Mr. F. C. Cooling. The ladies are Lady Glyn-Jones and Mrs. Whitfield.



No. 10. LADIES LOCAL COMMITTEE at Calderstones Park.



No. 14.

ON BOARD THE
S.S. *Minnedosa*.

Left to right: Mr. J. E. Connor (President of the Pharmaceutical Society of Ireland), Mr. W. F. Wells (Past-President), and Mr. A. R. Keith. The ladies are Mrs. Grier, Mrs. Cecil Owen, and Mrs. Keith.



No. 17. THE BIRTHPLACE OF MR. W. E. GLADSTONE IN RODNEY STREET, LIVERPOOL.



No. 20. CLUB HOUSE AT FORMBY GOLF COURSE.

Mr. T. A. White (Southsea) and Mr. J. M. Tallantyre in foreground.



No. 19. CONFERENCE WORKERS PHOTOGRAPHED AT THE QUEEN'S HOTEL, SOUTHPORT.



No. 15.

MR. JOHN H. ROBINSON DESCRIBING TO MR. A. HIGGS THE POINTS OF INTEREST ON THE MERSEY.

Proprietary Articles Trade Association.

THE twenty-fourth annual meeting of the Proprietary Articles Trade Association was held on July 15 at Holborn Restaurant, London, W.C. There was a fair attendance, and the chair was occupied by Mr. J. Kenningham.

The CHAIRMAN, in proposing the adoption of the annual report (*C. & D.*, July 3, p. 86), stated that there had been a net increase of forty-five in the membership of the Manufacturers' Section, bringing the total to 354, while, among other articles added to the protected list were Doan's Pills, Eno's Fruit Salt, Mother Seigel's Syrup, and Dr. Williams's Pink Pills. The Association was to be congratulated on having persuaded the firms concerned to join the P.A.T.A. The membership of the Wholesale Section had been increased by nine, and at the Council meeting held that day four others had been added to the list of firms in that section. In the Retail Section there had been an increase of 600 members—the largest addition that had been made to the section for any year for which figures were given. There was still, however, a large number of chemists and druggists scattered throughout the country who were not members, and the Propaganda Committee and Executive were devoting special attention to impressing upon their minds that, as every chemist in the country, no matter how small his business, benefits from the work of the P.A.T.A., he is under a moral obligation to remit the annual subscription of 7s. 6d. and so become a member. Cutting had caused a certain amount of trouble during the past year, but having received the close attention of the Executive it had generally been effectively stamped out. Having mentioned that difficulties which had arisen in connection with wholesale charges caused by the increase of railway rates on small parcels had been satisfactorily adjusted, the Chairman went on to refer to the Patent Medicine Stamp Duty. He regarded it as unfortunate that the Executive were not able to make the arrangement with the Chancellor of the Exchequer which they were at one time encouraged to hope they would be able to do. The matter was still more or less in abeyance, and the Executive had agreed to meet the Manufacturers' Association with a view to their coming to a combined agreement in order that they might again approach the Chancellor and persuade him to alter the duties in his next Budget. So far as the administration of the Profiteering Act was concerned, the P.A.T.A. had received an enormous number of testimonials from Profiteering Committees throughout the country. On more than one occasion "The Times" had devoted space to the Association and its work and to showing that its methods had had the effect of stabilising prices; making the minimum price become the maximum price in many instances, and proving to the Committees and the public that there was no profiteering in the sale of the articles handled by the chemist. Sir William Glyn-Jones had done yeoman service in representing and defending various members of the Association who had appeared before the Central Committee and other Tribunals. They had to deplore the loss during the past year of many old and valued friends. Among them he might mention Mr. John C. Umney, who was a tower of strength in the drug-trade and a staunch friend of the P.A.T.A. In addition, they had to deplore the loss of Mr. A. Tebbutt, the treasurer, Mr. S. Kutnow, and more recently Mr. G. P. Pond. Mr. Alfred Higgs had been co-opted a member of the Council as one of the representatives of the Retail Section in place of Mr. Pond; and as representing the Council he desired to extend to Mr. Higgs a most hearty welcome and to assure him that they would value his co-operation in every possible way. Dealing next with finances, the Chairman remarked that during the past year the Association appeared to have been "in clover," having been in a position to put money away. At the commencement of the year an amount just under 1,000*l.* was brought forward on the ordinary balance, and at the close they had been in a position to put away 1,000*l.* to funding loan, to transfer 300*l.* to deposit account, and to still carry forward 220*l.* more than they

began the year with. The whole report indicated that the Association is strong in every possible way. (Applause.)

Mr. P. F. ROWSELL, J.P., in seconding the adoption of the report, said there was only one point to which he specially desired to allude, viz., the effort made by the Executive to get the incidence of the Patent Medicine Stamp Duty altered. He assured the members that the Executive had devoted a great deal of time and effort to the matter. At one period they thought they had arrived at a stage when they could tell the Chancellor of the Exchequer that there was unanimous agreement among manufacturers of and traders in patent medicines that the proposals which he was willing to accept would not receive any opposition in the House of Commons. Unfortunately, a day or two before the portion of the Budget dealing with the duties was introduced by the Chancellor they were informed that the Association of Manufacturers of Patent Medicines had decided to oppose certain proposals. As a result there was nothing to be done but to inform him that he was likely to have opposition in the House. He much regretted the attitude taken up by the manufacturers, because it prevented their getting near to what they had been aiming at in regard to the alteration of the incidence of Patent Medicine Stamp Duty. As he had gone about the country he had been asked who the members of the Manufacturers' Association were who had blocked the very important alteration which the chemists of the country had been looking for for so many years. It so happened that he did not know the names of the members of that Association, but he had told the chemists that Mr. Woodward was chairman, that he was heart and soul in favour of the P.A.T.A. proposals, and felt inclined to resign that position on account of the attitude which the Association had taken. Although they had not secured the alteration they desired, he hoped the manufacturers would meet representatives of the P.A.T.A. in the course of the next few weeks and arrive at some unanimous agreement as to what they were prepared to put before the Chancellor by way of an amendment of the present duties, and that as a result that before the next Budget was introduced there would be an arrangement by which the pressure of the duties would be modified to the benefit of the chemists.

Mr. J. KEALL asked if any reply had been received from the manufacturers of infant and invalid food in response to the request that there should be a joint conference between them and representatives of the P.A.T.A. respecting the terms and profits on the sale of their products.

The SECRETARY (Sir William Glyn-Jones) replied that on April 12 a letter on the London Chamber of Commerce note-paper had been received, signed on behalf of Allen & Hanburys, Ltd., Benger's Food, Ltd., Frame Food, Ltd., Joseph Nathan & Co., Ltd., Mellin's Food, Ltd., Savory & Moore, Ridge's Food Company, A. Wander, Ltd., the West Surrey Dairy Co., Ltd., and Horlick's Malted Milk Co., conveying the following:

Resolved by the under-mentioned manufacturers of infant and invalid foods belonging to the Proprietary Articles Trade Association (1) that the discounts to be granted to the trade on their products shall not exceed 20 per cent. off the sale prices to the public, and 10 per cent. off the trade prices to retailers where the goods are sent to the wholesalers carriage paid; or 20 per cent. and 12½ per cent. off those prices where the goods are sent to the wholesaler carriage forward; and that the allocation of such discounts in particular cases be left to the decision of the respective manufacturers; (2) resolved that carriage be paid on orders received from retailers for such minimum quantities as may be fixed by the respective manufacturers; (3) resolved that where cases are not provided free they shall be returnable, and the cost of carriage thereon shall be paid by the manufacturer; (4) resolved that these terms shall come into force as from May 1.

The SECRETARY stated that following receipt of the foregoing, and acting on the instructions of the Council, he, on June 10, wrote the Secretary of the London Chamber of Commerce expressing the hope that it would be possible to arrange the suggested conference between representatives of the Council and representatives of the infant and invalid food manufacturers on an early date, as the terms of sale of the various foods were passed provisionally until the July meeting of the Council of the P.A.T.A.,

which was fixed to take place on July 15, and it was desirable, if such a conference could be arranged, to take place before that date. To that letter he received a reply dated June 17, signed by Mr. Charles Musgrave, secretary of the London Chamber of Commerce, stating that he had been instructed to say that the representatives of the infant and invalid food manufacturers could not adopt the suggestion, and that he was therefore unable to arrange for the proposed interview.

Mr. KEALL described the reply as decidedly unsatisfactory, for it amounted to a blank refusal on the part of the manufacturers to further discuss terms. He suggested a plebiscite of the retail trade in order to obtain their views as to the attitude of the manufacturers. (Applause.)

Mr. A. HIGGS thanked the Council for having co-opted him one of their number, and suggested that in some future year the annual meeting of the P.A.T.A. should be held in some large provincial industrial centre where members, he thought, would probably appreciate the opportunity of attending more than the London members did, judging from the smallness of the attendance on that occasion.

Mr. DAVIDSON asked whether the sanction of the Council had been given to the wholesalers to make a surcharge on proprietaries in respect to increased railway rates.

The SECRETARY replied that the one important factor in the question raised was the large increase in the cost of carriage: wholesalers decided to make a surcharge of $1\frac{1}{2}$ per cent. as a temporary arrangement pending the success of an effort that was then being made to induce manufacturers to increase their margins to wholesalers so as to obviate this. Owing to the dissatisfaction which was revealed on behalf of the Retail Section, the whole matter was revised, and the wholesalers agreed to abandon their surcharge of $1\frac{1}{2}$ per cent., and to meet the increased cost of carriage by adding a percentage to those articles which did not show them a profit of $12\frac{1}{2}$ per cent. As to whether or not the Council sanctioned the surcharge, he had to point out that as the constitution of the P.A.T.A. stands the Council had no power to prevent wholesaler or retailer getting as much as he liked for himself on the sale of an article. There was an anti-cutting Association, to prevent the undue reduction of profits, and had nothing to say on the other side as to limiting the profits which any member of any section might make. The Executive were being asked to consider what would be the best method of re-adjusting the margins between wholesaler and retailer, but the matter was one of extreme difficulty. Obviously there was a clashing of interests. The Council had been instructed to go into the whole matter with a view, if possible, to readjustment.

Mr. J. KEALL, reverting to the subject of profits on the sale of infant and invalid food, urged that it was imperative that the P.A.T.A. should show manufacturers the acute position in which they had placed wholesalers and retailers by their refusal to agree to a round-table conference at which the points at issue could be frankly threshed out at close quarters. In the event of the manufacturers declining further negotiations, it seemed to him that the retailers would be forced to take some definite action.

The SECRETARY stated that he had tried to frame a resolution which might carry out Mr. Keall's wishes. It was to the effect:

That a letter be sent to the owners of the Proprietary Articles Section (Infant and Invalid Food Sub-section) of the London Chamber of Commerce requesting them to reconsider their refusal even to discuss the difficulties arising from their previous decision; and that, in the event of renewed refusal to meet representatives of the Council, the position be reported to every member of the Retail Section, and a plebiscite be taken as to what action, if any, should be taken by the Association.

Mr. KEALL accepted and formally proposed the resolution. It was seconded by Mr. PICKARD (Ossett) and carried unanimously.

A vote of thanks to the chairman concluded the proceedings.

Chemists' Defence Association, Ltd.

THE annual meeting of the Chemists' Defence Association, Ltd., was held immediately after that of the P.A.T.A. at Holborn Restaurant, London, W.C., on July 15. The chair was occupied by Mr. J. Keall, and there was a very meagre attendance. The nineteenth annual report was submitted (*C. & D.*, July 3, p. 86).

The CHAIRMAN, in moving its adoption, mentioned that the membership had increased by 381 during the past year, and now numbered 5,268. Claims for damage had been lighter than in any previous year, and the same remark applied to police-court cases. He mentioned that by the alteration of the rules agreed to last year the veterinary section had been absorbed in the general scheme of the Association. The benefits resulting from this, and the advantages of which members could avail themselves in other directions, had involved increased expenditure, necessitating an addition to the annual subscription. The results in all directions had been eminently satisfactory. The financial position had been greatly improved, and there was a balance of income over expenditure of 1,483*l.* 1*s.* 6*d.*

Mr. W. L. CURRIE (Glasgow), referring to the fact that police-court cases had been fewer in number during the period covered by the report, expressed the hope that this was a good omen.

Mr. GREATREX (Fulham) said he desired to congratulate them on the very successful manner in which they had dealt with the heavy and responsible duties imposed on them by the Profiteering Act.

Mr. P. F. ROWSELL stated that as he had moved about the country he had not heard one single complaint regarding the increase in the annual subscription. Taking into consideration the enormous amount of extra work thrown upon the directors by the Profiteering Act, it was somewhat remarkable that they had come out so well as they had done. He was afraid, however, that in consequence of the heavy expense incurred in conducting defences and undertaking appeals the balance-sheet submitted to the next annual meeting would not be so rosy as the one now before them.

The SECRETARY (Mr. W. Johnston) explained that none of the costs incurred in connection with the defence of cases under the Profiteering Act were included in the expenditure for the past year. So far as retailers were concerned the Act was one of the harshest that had ever been put on the Statute Book, and he thought the correct policy for the C.D.A. to pursue was to fight every case as hard as they could every time, with the object not only of dissuading the public from laying frivolous complaints, but of getting the Committees to do justice to retailers who had silly complaints made against them. (Applause.)

The report was unanimously adopted.

On the proposition of Mr. GREATREX, seconded by Dr. BARNES, the directors were re-elected as follows: Messrs. J. G. Atkinson (Norwood), R. Feaver Clarke, J.P. (New Milton, Hants), Herbert Culley (Grimsby), W. L. Currie (Glasgow), J. Keall (Wandsworth), G. J. Knight (London), S. N. Pickard (Ossett, Yorks), and P. F. Rowsell, J.P. (Exeter).

The CHAIRMAN explained that according to Rule 18 the directors had in the past been elected *en bloc* at each annual meeting. As the Association was a limited liability concern, the Council had thought that they would adopt a wise course if they brought the Association in line with limited liability companies by altering the rule so as to provide for the retirement each year of two directors, they at the same time being made eligible for re-election. He therefore moved from the chair:

That Rule 18 shall read "Two directors shall retire annually by rotation; that they shall be eligible for re-election; and any casual vacancy may be filled by the continuing directors."

Mr. MILNER (Greenwich) seconded, and after a brief discussion the resolution was unanimously adopted.

Votes of thanks concluded the proceedings.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

VETERINARY SURGEONS ACT (1881) AMENDMENT BILL.

This Bill passed the House of Lords on July 15, and now awaits the Royal Assent.

DENTISTS ACT AMENDMENT BILL.

Dr. Addison stated, on July 28, that it is proposed to introduce legislation for the purpose of carrying out the recommendations of the departmental committee on the Dentists Act, 1878, before the recess.

BRITISH FARINA MILLS.

Asked if the Government has any financial interest in the British Farina Mills, Ltd., Monikie, Forfarshire, the Ministry of Food stated in the House of Commons on July 15 that the relations between the Government Departments concerned and the company are at present the subject of arbitration.

GERMAN DYES.

Sir Robert Horne, on July 19, stated that the total quantity of synthetic dyestuffs, including a small quantity of intermediates, imported from Germany during the first six months of the current year was approximately 387 tons, of which about 150 tons were received under the Reparation Clauses of the Treaty of Versailles.

SHOPS (EARLY CLOSING) BILL.

The Government on July 22 introduced a Bill "to continue temporarily and give effect to certain Orders relating to early closing of shops and for purposes connected therewith." The Bill extends until December 31, 1921, the Early Closing Orders made under Regulation 10B of the Defence of the Realm Act, but does not apply to Ireland. The schedule of the Bill gives the Order dated April 24, 1917, as amended by subsequent Orders.

MINISTRY OF HEALTH SCHEMES.

In moving the estimates (17,572,797*l.*) of the Ministry of Health in the House of Commons on July 15, Dr. Addison referred to the Dentists Bill as essential in any health scheme. The referee service under the National Health Insurance Act, which is now being established (see p. 58), and is in its essence a preventive service, is to prevent undue demands upon sick funds and undue duration of sickness. The Minister then referred to the report of the Medical Advisory Council, which, he said, aims at co-ordinating medical services, and to the grants for scientific and medical research which, he urged, are trifling in comparison with the results achieved.

MEDICAL CONSULTANTS.

Dr. Addison, on July 26, in answer to a question regarding the thirty-two doctors who have received appointments at 1,000*l.* a year (see p. 58), said: They are appointed to act as referee consultants under the National Health Insurance scheme with the object of protecting Insurance funds from unnecessary claims to sickness benefit and improving the general standard of Insurance medical practice. Funds for this purpose were voted by Parliament in 1914, but not spent during the war owing to the impossibility of establishing this much-needed extension of the Health Insurance Medical Service during that time.

FINANCE BILL.

The Finance Bill has been further considered by the House of Commons during the week. A clause was inserted on July 26 exempting from income-tax the income arising from full-time educational scholarships. An attempt was made, by proposing a new clause, to reduce the sugar duty to 1*d.* in the lb. on the ground that sugar is an essential food to the poorer classes, but it was rejected on a division. Further attempts were made to neutralise the ills of the excess profits duty, but no further concessions were obtained. The corporation tax was discussed on July 27, and also the hearing of the tax on co-operative societies. No alteration in the provisions

was made however. The Bill passed the third reading on July 28.

PROTECTING THE DYE INDUSTRY.

Sir R. Horne, on July 30, stated in the House of Commons that the experiences of the war made it apparent that the existence of a strong synthetic dye-making industry is a military necessity and essential to the defence and security of the United Kingdom, and pledges have on several occasions been given that steps would be taken to protect this industry for a time, so as to enable it to be placed on a secure foundation. All the various alternative methods of fostering the industry have been considered, and the opinion of the Government is that assistance can be most effectively given by the prohibition of the importation of synthetic dyestuffs except under licence. An undertaking has already been given to this particular industry that this course will be adopted, and accordingly proposals to that effect will be embodied in a Bill relating to key industries which will be introduced and proceeded with as soon as possible. In carrying out this policy it will be the object of the Government to facilitate the working of the trade as much as possible.

MALE FERN EXTRACT.

Mr. W. Graham on July 22 asked the President of the Board of Trade the exports and imports in the year 1913 of the extract of male fern, technically described as ext. filicis liq. or ext. filicis maris, and what were the returns of exports and imports for the first six months of the present year, or for such post-war period as may be available; and whether such exports and imports are subject to any special arrangements giving preference to the products of any country.

Mr. Bridgeman replied: In the year 1913 the value of the imports into the United Kingdom of extract of male fern was 739*l.* I am unable to state the total value of the exports of this commodity during that year, or of either imports or exports during any post-war period; and I do not feel justified in having such particulars compiled, in view of the considerable expenditure of time which would be involved in the process. Extract of male fern is not dutiable, and no question of preference on the importation of the extract arises; but when it is imported dissolved in dutiable spirit, preference is accorded on the dutiable ingredient if the latter is of Empire origin. No preference is given on the export of any goods.

CO-OPERATIVE SOCIETIES TAX.

The Chancellor of the Exchequer, asked whether co-operative societies as a whole have been able to avoid the excess profits duty, replied: The original provisions of the Finance (No. 2) Act, 1915, as to the assessment of co-operative societies to excess profits duty were found in the year 1917, in the circumstances of trade then existing, to exact from these societies a larger contribution than Parliament had intended, and accordingly a relieving provision was inserted in Section 26 of the Finance Act, 1917. Under the law as thus modified a co-operative society is, broadly speaking, chargeable, at the option of the society, either on the increased surplus per member as compared with the pre-war surplus per member, or on the increased ratio of the surplus to the turnover as compared with the pre-war ratio. Duty is still collected on this basis from societies liable to the duty. Alterations in the conditions of trading and the relief above specified have combined to reduce in recent years the liability of the societies, or to entitle them to repayments of duty under Section 38 (3) of the 1915 Act. No statistics have been compiled as regards the duty paid by, or repaid to, these societies, and their preparation would involve an expenditure of time and labour which the present pressure of work upon the Inland Revenue staff precludes.

GERMAN PATENT AGENTS.

Mr. Hood asked the President of the Board of Trade on July 14 whether he is aware that, under an Order dated December 7, 1915, permission was given to make payments to enemy agents for obtaining registration or renewal of patents and trade-marks in enemy countries,

but on July 15, 1918, the licence to make such payments was revoked; that the moneys owing to enemy agents for such charges and expenses cannot now be paid to them, as they are claimed by the Public Trustee under Article 297 of the Treaty of Peace with Germany; and whether he can see his way to permit such payments to be made direct to the agents who have performed the services and made the payments on the faith of the Order of December 7, 1915.

Mr. Bridgeman replied: I understand that no such claim as is suggested in the second part of this question has been made by the Public Trustee. Debts arising out of the employment of German patent agents, under the licence of December 7, 1915, come, in my opinion, within the scope of paragraph 1 (xvi.) of the Treaty of Peace Order, 1919, as being property, rights, or interests of German nationals acquired under a general licence issued by, or on behalf of, His Majesty, and such debts may, therefore, be paid direct to the agents in question.

PROPRIETARY MEDICINES BILL.

The following is the memorandum attached to the Proprietary Medicines Bill, which was introduced into the House of Lords on July 13:

1. The object of this Bill is to give effect to the recommendations of the Select Committee of the House of Commons on Patent Medicines, who reported in August 1914: see Paper 414 of 1914. It contains no provisions which were not specifically recommended by the Select Committee, and it includes all their more important recommendations so far as they fall within the province of the Ministry of Health.

2. Provision is made for the establishment of a register of proprietary medicines and appliances, and of the owners thereof, and the Bill prohibits the sale of any unregistered proprietary medicine or appliance.

The expression "proprietary medicine" is defined in the Bill to mean a medicine which is held out by advertisement as of use for curative or remedial purposes, and which is either sold under a trade name or manufactured by a secret process.

Severe penalties are attached to the unauthorised disclosure by the registrar or any other person of the formula of any registered medicine.

3. The sale of remedies purporting to cure certain diseases, such as consumption or cancer, is prohibited, and it is made an offence to advertise any article in terms which suggest that it can be used to produce abortion.

4. The Minister of Health is empowered to remove from the register any injurious medicine or appliance, but the owner is given a right of appeal to the High Court.

5. The Bill, in accordance with the recommendations of the Select Committee, prohibits certain practices, chiefly in connection with advertisements, which the Committee considered undesirable.

6. All regulations made under the Bill are required to be laid before Parliament.

PROFITEERING ACT.

Sir Robert Horne stated in the House of Commons that there have been 392 cases of alleged profiteering brought before the Central Profiteering Committee; the investigation has been completed in 323 cases, the charge of profiteering being substantiated in thirty-one cases, while sixty-nine cases are at present under or awaiting investigation. In three prosecutions that were undertaken convictions were obtained; in seventeen cases prosecutions are pending or have been ordered; in five cases there has been a refund of the amount paid in excess of what was declared to be a reasonable price; in six cases the Committee, although satisfied that the charge was established, recommended no action, presumably because they thought the man was sufficiently punished by having to pay the costs already incurred.

On July 26 Mr. Bridgeman, in reply to a question in the House of Commons, on June 30 last, said convictions had been obtained and fines imposed in 123 prosecutions under the Profiteering Act. The following are the particulars of the fines imposed: In three cases fines of 100*l.*; in seven cases fines of 50*l.*; in one case a fine of 25 guineas; in twelve cases fines of 25*l.*; in one case a fine of 22*l.*; in seven cases fines of 20*l.*; in one case a fine of 18*l.*; in five cases fines of 15*l.*; in one case a fine of 12*l.*; in fifteen cases fines of 10*l.*; in one case a

fine of 8*l.*; in three cases fines of 7*l.*; in thirty-five cases fines of 5*l.*; in three cases fines of 4*l.*; in five cases fines of 3*l.*; in one case a fine of 2*l.* 10*s.*; in thirteen cases fines of 2*l.*; in twelve cases fines of 1*l.*; and in two cases fines of 10*s.* In no case has a sentence of imprisonment been imposed.

Asked in regard to the Profiteering Committees that have suspended their sittings, Mr. Bridgeman said: Thirty of the 1,800 local Committees established by local authorities under the Profiteering Acts have suspended their sessions. In nine instances the reason assigned by the local Committee has been the fact that they have had no cases to deal with. In two instances the local Committee have resigned in consequence of the reversal of their decisions by the Appeal Tribunal. In six instances the reason given has been that the local Committee are not authorised to deal with alleged profiteering by wholesale traders. In nine instances the local Committee gave as their reason the fact that they were generally dissatisfied with the provisions of the Profiteering Acts, and in four cases no reason was assigned.

CRIMINAL LAW AMENDMENT.

At a sitting of the Joint Select Committee which is considering the Criminal Law Amendment Bills, Nos. 1 and 2, and the Sexual Offences Bill, Sir Ernley Blackwell, Permanent Under-Secretary to the Home Office, suggested that with regard to indecent advertisements, Clause 7 of the Criminal Law Amendment (No. 2) Bill should be amended so as to include a point in the Sexual Offences Bill. The former Bill prohibits advertisements, handbills, etc., from recommending drugs or appliances for the cure or relief of venereal disease, or for the purpose of procuring miscarriage or abortion. He suggested the introduction of words prohibiting advertisements which "directly or indirectly" suggested the use of such articles. At present, he said, what happened was that people wrote for something, say, to procure abortion. A perfectly harmless drug was forwarded, and if the person who had sent it was prosecuted he got off. If the customer wrote saying that what had been sent had not done any good, probably something which might have most disastrous results was forwarded, at a much higher price. Very often in these cases the pamphlet was sent in a secret way, and the sufferer was eventually recommended to see somebody who would perform an operation. It was very important that this sort of thing should be stopped, as it was doing terrible harm. The Earl of Onslow pointed out that the words prohibiting "any written or printed papers" in the clause might be held to apply to publication in the Press of proceedings, say, at the British Medical Congress. They should safeguard a respectable medical practitioner giving an account of a particular form of treatment. Sir Ernley Blackwell said he thought words might be found to meet Lord Onslow's point, and undertook to consider the matter. Mr. A. B. MacLachlan, one of the assistant secretaries of the Ministry of Health, who has charge of the administrative division of the department dealing with venereal and other infectious and contagious diseases, was examined regarding Clause 5 of the Criminal Law Amendment (No. 2) Bill, which provides penalties in the case of sexual intercourse by a person suffering from venereal disease. It was the view of the Ministry of Health that the question whether it was advisable to invoke the aid of the criminal law in the campaign against venereal disease was a matter for the Home Secretary, but they thought the clause might prove valuable, though they did not think that many convictions would be obtained under its provisions. In reply to Lord Onslow, Mr. A. B. MacLachlan said he did not consider there was any danger that Clause 7 would prevent the publication of reports of medical conferences in the Press, but if there was any such danger he quite agreed that speeches or lectures by competent persons should be safeguarded.

ILLEGIBLE PRESCRIPTIONS.—The Great Yarmouth Guardians have requested a local medical officer to write his prescriptions more legibly and in full, in consequence of a complaint by a pharmacist.

The Dangerous Drugs Bill.

On July 27 another attempt was made to proceed with the Committee stage of the Dangerous Drugs Bill. It will be remembered that a fortnight ago Standing Committee C, to which the Bill had been referred, met on three successive occasions without securing a quorum, and the Bill was then relegated to the bottom of the list (*C. & D.*, July 17, p. 54). But in view of the importance of the measure it was decided to make a further effort, and the Committee was thereupon summoned for Tuesday morning. Colonel W. G. Nicholson (Petersfield), the chairman, however, experienced a fourth meeting without any business being done, for after waiting half an hour there was no quorum. He decided to convene the Committee for the afternoon, and his perseverance was on this occasion rewarded. The requisite number of members attended, and in twenty-five minutes the Committee stage was concluded. The Bill was printed in the *C. & D.*, May 15, p. 56. Clause 1, dealing with the restriction on the importation of raw opium, and Clause 2, governing the restriction on the exportation of raw opium, were agreed to without amendment.

On Clause 3, which deals with the power to regulate the production of and dealing in raw opium, Sir John Baird, who was in charge of the Bill, moved an amendment that provision may be made by regulations for controlling or restricting the production, possession, sale, and distribution of raw opium. The amendment, which was to insert the word "possession," was agreed to, and the clause as amended was added to the Bill.

Clause 4 (dealing with the prohibition of exportation or importation of prepared opium), Clause 5 (providing for penalty for manufacturing, selling, using, etc., prepared opium), and Clause 6 (dealing with the restriction on import and export of cocaine, etc.) were added to the Bill without amendment.

On Clause 7, providing for the control of manufacture and sale of cocaine, etc., Sir John Baird moved an amendment to sub-section (a) "prohibiting the manufacture of any drug to which this part of this Act applies except on premises licensed for the purpose" to insert after "purpose" "and subject to any conditions specified in the licence." Sir John explained that the addition of these words was simply to make the intention clear. The amendment was agreed to.

After a consequential amendment Sir John moved the addition to Clause 7 which was printed in the *C. & D.*, July 17, p. 54.

Sir John explained that these words were put in to meet the views of the Pharmaceutical Society. They want to ensure that practically the same powers shall continue as now obtains. The final discretion in all cases remains with the Secretary of State. The amendment was agreed to, and the clause as amended was added to the Bill.

Clauses 8 (dealing with drugs) and 9 (relating to the application of the Customs Acts) were added to the Bill without amendment.

On clause 10, relating to the powers of inspection, Sir John Baird moved an amendment, the effect of which was to narrow the phraseology of the Bill and to restrict the inspection to particular kinds of books in which the dealings in the drugs are put down and transactions recorded. Sir John added that as the Bill stood it might lead to a rather wider inspection than was justified. The amendment was agreed to, and the clause was added to the Bill.

Clauses 11 (providing for regulations to be laid before Parliament) and 12 (dealing with licences) were added to the Bill without amendment.

To clause 13, which relates to offences and penalties, Sir John moved the following addition:

or to both such fine and imprisonment, and in the case of a second or subsequent conviction to a fine not exceeding five hundred pounds, or to imprisonment with or without hard labour for a term not exceeding two years, or to both such fine and imprisonment, and the court dealing with the case may, in addition to any other punishment, order the

goods in respect of which the offence was committed to be forfeited

Sir John said the illicit traffic in cocaine was extremely profitable, and there had been several cases since the Defence of the Realm Regulations came into force where an offender had been convicted a second time. He hoped the Committee would agree that when an offender had been convicted a second time he ought to be made to suffer more than the Bill provided. The amendment also provided that the opium or cocaine should be forfeited, in addition to the fine imposed. The amendment was agreed to.

Sir John then moved the following further addition to the clause:

(3) Any proceedings for an offence against this Act before a court of summary jurisdiction may, notwithstanding any enactment prescribing the time within which such proceedings may be brought, be brought either within the time so prescribed or within three months from the date on which evidence sufficient in the opinion of a Secretary of State to justify a prosecution for the offence comes to his knowledge, whichever is the longer, and for the purposes of this sub-section a certificate purporting to be signed by the Secretary of State as to the date on which such evidence as aforesaid comes to his knowledge shall be conclusive evidence thereof.

In the application of this sub-section to Scotland the Lord Advocate, and in the application of this sub-section to Ireland the Attorney-General for Ireland, shall be substituted for a Secretary of State.

The object of the amendment, said Sir John, was to facilitate the conviction of people who had committed an offence against the Act. The difficulty of detecting these crimes was very great, and the police very often were not able to get the necessary information within the six months' limit under the Criminal Law. Therefore they asked the Committee to follow the practice that had been adopted under the National Health Insurance Act and make it possible to take proceedings within three months from the date on which sufficient evidence was available for the prosecution. He asked the Committee to insert the words with the view of strengthening their hands. The amendment was agreed to, and the clause was added to the Bill.

The following new clause was moved by Sir John Baird:

Any constable may arrest without warrant any person who has committed or attempted to commit, or is reasonably suspected by the constable of having committed or attempted to commit, an offence against this Act, if he has reasonable ground for believing that that person will abscond unless arrested, or if the name and address of that person are unknown to and cannot be ascertained by him.

The amendment, explained Sir John, was designed to make the Bill more severe. It gave power to arrest in cases where the residence of the offender was unknown. Very frequently in the case of people concerned in these particular crimes they were of bad character, with no fixed abode. This clause would give power to arrest without a warrant. There was precedence for this under section 19 of the Children Act, 1908. Lieut.-Col. Archer Shee thought the clause was redundant in view of the fact that the Bill made it a felony to commit this offence, and any constable was entitled to arrest anybody at any time if he thought they were about to commit a felony. Sir John Baird: I think it is necessary; I hope the Committee will agree. The clause was agreed to.

The following drafting amendment was agreed to:

This Act in its application to Ireland shall have effect subject to the following modifications, namely:

(a) A reference to the Poisons (Ireland) Act, 1870, the Pharmacy (Ireland) Act, 1875, and the Pharmacy (Ireland) Act, 1875 (Amendment) Act, 1890, shall be substituted for any reference to the Pharmacy Act, 1868; and

(b) A reference to the Pharmaceutical Society of Ireland shall be substituted for the reference to the Pharmaceutical Society of Great Britain.

The Bill as amended will be reported to the House.

Dr. Murray regretted the Bill was not of a more comprehensive character and applied to India.

The report stage of the Bill will be taken on July 30.

Births.

CAESAR.—At 43 Garthland Drive, Dennistown, Glasgow, on July 10, the wife of H. W. Caesar, chemist and druggist, 55 South Portland Street, of a daughter.

FORSTER.—At 30 Church Street, Seaham Harbour, on July 27, Mrs. Forster, Ph.C. (*née* Isabella Campbell), wife of Mr. W. Forster, Ph.C., of a son.

Marriages.

CLEWER-SUTCLIFFE.—At Holy Trinity Church, Halifax, on July 22, by the Rev. F. M. Smith, M.A., John Henry Clewer, second son of Mr. Clewer, 59 Hyde Park Road, to Margaret, younger daughter of Mr. J. A. Sutcliffe, chemist and druggist, 64 King Cross.

OWEN—JONES.—At the Calvinistic Methodist Church, Brynmawr, on July 14, W. J. Owen, manager for Mr. T. H. Prichard, chemist and druggist, Medical Hall, Abertillery, to Jennie Jones, L.R.A.M.

REES—ROSSER.—At St. Paul's Congregational Church, Swansea, on July 27, David Griffith Rees, chemist and druggist, to Mary Lilian Rosser, niece of Mr. T. Rees, chemist and druggist, Skewen.

RILEY—HUNTRODS.—At Leeds, on July 17, by the Rev. W. Wood, William M. Riley, Enfield, late Gordon Highlanders, to Doris, elder daughter of Mr. W. Huntrods, Holbeck Moor, Leeds.

Deaths.

CARE.—At Woodneuk, Barrhead, Renfrewshire, on July 28, after a long illness, Mr. Harry Bristowe Care, chemist and druggist, manufacturers' agent, 52 St. Enoch Square, Glasgow. Mr. Bristowe Care, who qualified in 1890, was the representative in Scotland of Southall Bros. and Barclay, Ltd., Birmingham. He celebrated his silver wedding in 1917.

CLUNIE.—At a nursing home in Manchester, on July 25, Mary Margaret, wife of Mr. Arthur Clunie, druggists' sundriesman, 53 Upper Brook Street, aged fifty. During the depletion of the staff arising out of the recent war, Mrs. Clunie took an active part in the management of Mr. Clunie's business, and widespread sympathy will be felt for him in his bereavement.

FRIEDMANN.—At the National Hospital, Bloemfontein, on June 30, Mr. Joseph Friedmann, chemist and druggist, proprietor of the Central Pharmacy, Bloemfontein, of heart failure following an operation. Mr. Friedmann had established an increasing wholesale and retail business in Bloemfontein, and had recently opened large premises for wholesale business only. He had also a retail branch at Senekal, O.F.S. The large attendance of his religious *confrères* at his funeral showed the respect in which he was held by the Jewish community. He was of a very charitable disposition, and took great interest in the Zionist movement. The O.F.S. Pharmaceutical Society was represented by Mr. S. Taylor (President), and Messrs. Francis Carter, H. Greenwood, W. F. Prophet, and J. Reed (all past-Presidents). He was a member of Lodge "Rising Star," 1022 E.C. He is survived by a widow and two children.

HUNTER.—At High Street, Dunblane, on July 21, suddenly, Mr. Charles Hunter, chemist and druggist. Mr. Hunter qualified in 1905, and shortly afterwards succeeded to the business in Dunblane previously carried on by Mr. Ogg. His death was due to heart failure, which occurred just after he had opened his shop. The funeral took place at Dunblane Cemetery on July 24.

GAUTIER.—The death is announced from Cannes of Professor Armand Gautier, President of the French Academy of Sciences, aged eighty-three. M. Gautier was for many years a professor at the Faculty of Medicine in Paris, where he occupied the chair of medical chemistry. He was known throughout the scientific world for

his works on nutrition and for his application of chemistry to medicine. His monographs include important studies on ptomaines.

MEE.—At Wellington, New Zealand, on March 11, Mr. George Mee, retired chemist. Mr. Mee, who was born in England in 1842, went to New Zealand in 1863. He was in business in Wellington from 1872 to 1907, and during the last seven years of that period was President (for the second time) of the Pharmacy Board of New Zealand.

MERRYWEATHER.—On July 21, after a painful illness, Mr. J. Merryweather, for twenty years on the representative staff of Oppenheimer, Son & Co., Ltd., 179 Queen Victoria Street, London, E.C. 4.

Personalities.

MR. THOMAS V. BARKER, M.A., B.Sc., has been elected to a professorial fellowship as lecturer in chemical crystallography in the University of Oxford.

At the annual show of young hounds at Belvoir on July 23, the second prize was won by Gallopper, walked by Mr. A. Shepperson, manufacturing and retail chemist, Kirton, Boston.

MR. WILLIAM KERSE, who was for many years with John Ismay & Sons, Newcastle-on-Tyne, is joining the staff of Taylor Gibsons, Ltd., 52 Stowell Street, as an outside representative.

MR. AND MRS. EVAN C. ASHFORD, Northampton, have just celebrated their golden wedding. Mr. Ashford has been in business as a pharmacist in Gold Street, Northampton, for upwards of fifty years.

MR. JOHN H. THOMPSON, son of Mr. J. A. Thompson, chemist and druggist, President of the North-East London District Pharmaceutical Association, has passed the second examination for the degree of M.D. in the University of London.

THE following appointments have been made in the University of London (King's College): Lecturer in pharmacology, Mr. Orlando Inchley, M.D.; lecturer in physical chemistry, Mr. C. S. Salmon, M.Sc.; lecturer in inorganic chemistry, Mr. H. W. Cremer, B.Sc., A.I.C.; lecturer in chemistry (public health), Mr. William Partridge, F.I.C.; lecturer in physics, Mr. H. T. Flint, M.Sc.

MR. J. J. LAWS (ex-second lieutenant) has passed the first examination of the Conjoint Board of the Royal College of Physicians and the Royal College of Surgeons of London. Mr. Laws is the eldest son of Mr. J. J. Laws, pharmacist, managing director of Ralph Hall, Ltd., chemists, Kingsland Road, E. 8, and before joining the Army was apprenticed and afterwards acted as assistant to his father.

THE funeral of the late Mr. George James Knight, chemist and druggist, 452 Edgware Road, London, W., whose death we announced last week, took place at Kensal Green Cemetery on July 21, among those present being Mr. John Keall, representing the Pharmaceutical Society of Great Britain and also the Chemists' Defence Association, and Mr. B. R. Wilkinson (Strickland & Co., Cromwell Road), representing the Western Pharmacists' Association.

Business Changes.

MR. J. J. TAYLOR, chemist and druggist, 3 Bank Street, Ashford, Kent, has removed to 29 Bank Street.

MR. K. B. MAVLANKAR, 26-27 Hatton Garden, London, E.C., has been appointed sole agent in the United Kingdom of Polak & Schwarz's Essencefabrieken, Zaandam, Holland.

MR. T. H. CHEETHAM, chemist and optician, has sold his business at Langley Park, co. Durham, and purchased the business recently carried on by Mr. R. B. Harle, at 8 and 9 Belle Vue Terrace, Tyne Dock.

Exhibition of French Products.

THE sixth exhibition of French manufactured preparations was opened on July 15 at the Office Commercial Français en Angleterre, Queen Victoria Street, London, E.C., by M. Jean Perier, attaché commercial of the French Embassy, the exhibits on this occasion consisting of perfumery and toilet articles, brushes, optical, surgical and photographic instruments, etc. It is a particularly pleasing display, and pharmacists who make a speciality of the perfumery and toilet articles trade would do well to pay a visit, for it is evident that French manufacturers have studied with considerable success the art of charming the feminine eye. A novelty in scent sprays is to be seen at DE BEFFORT & Co.'s stand. This spray is of small dimensions, designed for carrying in a lady's hand-bag, and should be a good seller. BOURJOIS & Co., LTD., have a capital display of their staple lines. Poudre de Riz occupies the centre position, but is surrounded by numerous companion products. The gentle art (or is it the science?) of surreptitious make-up is catered for in a dainty outfit shown here, containing eyebrow "liner" and rouge for lips and cheeks. The case is about 2 in. long and 1 in. wide, the "aids to beauty" being in the form of crayons. Other exhibitors in the toilet and perfumery section are: P. ALPEROVITCH; A. BONERY ET CIE.; MME. DETAILLE, who is specialising in an application for use as a powder fixative; MARCEL FRANCK (perfume sprays); GABILLA; P. HENRY & FILS; ISARIS; NESTLY; L'OREAL (hair tints); ADALBERT DE HUITLER ET CIE.; DEBAQ, etc. THE ORTHOPHONE Co. exhibit two interesting instruments, the first of which is described as the "Orthophone," a microphonic intensifier for deafness. The apparatus is small, inconspicuous, and has the advantage that the volume of sound can be regulated according to the user's requirements. Table orthophones for church, theatre, or lecture-room are also obtainable. The instrument is actuated by a small dry-cell battery. The "Strabor" is an ingenious apparatus, modelled on the lines of a pair of spectacles, for the correction of squinting, and it is claimed that the "Strabor" in all cases furnishes a mechanical correctional cure. The instrument is of metal, and acts by training the eye to see through an adjustable orifice which is gradually moved towards the central and normal position. POULENC FRÈRES (Etablissements) have an assortment of chemical apparatus on view. RICHARD (JULES) are exhibiting cameras, and included in the display is an instrument, the "Cunctator," for attachment to stereoscopic cameras to release automatically the shutter. In the photographic and optics group are included also exhibits by DECAIX, DEMARIA, DUCLOS, FOURNIER HERMAGIS, HUE FILS, JOBIN, LEGER, MAIRE, L'OPTIQUE COMMERCIALE, etc. LAROCHE's Realgine, a capscopic wool, and LABORATOIRE NALINE, manufacturers of pharmaceutical products, are also represented. Several French brush-makers are exhibiting articles showing a high level of workmanship. In this class E. DUPONT & Co. have an excellent assortment of articles of their own manufacture, which includes brushes of every kind—tooth, nail, cloth and hair, etc. Manicure sets in ivory, mother-of-pearl and ebony are also shown, but a fine creation in tortoise-shell (to retail about 40*l.* to 50*l.*) is the aristocrat of the stand. MORABITO, manufacturer of articles of tortoise-shell, has a striking display of the many uses of this handsome material—and the set of gold-mounted toilet articles in the comparatively rare, blonde amber-tinted tortoise-shell made specially for the firm's stand at the Lyons Fair is on view. J. E. COLLETT, ERRIEN FRÈRES, F. GERMAIN, and E. OBERHANSI are also showing specimens of their work in brushes and combs. Most of the exhibitors have their English agents. The exhibition is open daily until July 31.

THE Ramsay Memorial Fellowship trustees have elected Mr. William Davies, M.Sc., to a Fellowship, this being the first provided for from the Ramsay general fund. The amount of the fund is announced as 53,402*l.*, exclusive of the sums contributed to Fellowships in the Colonies and abroad.

Trade Notes.

GREEN EXTRACTS.—The new season's green extracts and leaves of henbane and belladonna are now obtainable from William Ransom & Son, Ltd., Hitchin.

A STRIKING ADVERTISEMENT for Allenburys' Foods is now being exhibited on the Aldwych site in London. A reproduction is given in the advertisement in this issue of Allen & Hanburys, Ltd.

AGOTAN, or 2-phenyl-quinoline-4-carboxylic acid, is a British-made chemical identical with the German atophan. Made by Howards & Sons, Ltd., Ilford, London, it is employed in the treatment of gout.

ROSE SUPREME DE FRANCE is the name of a new perfume designed to meet the requirements of chemists and others who manufacture toilet preparations. It is made by R. Lane-Hall & Co., Ltd., 1 Steward Street, London, E. 1.

CAUSTIC POTASH.—British-made caustic potash is now obtainable from the United Alkali Co., Ltd., Cunard Building, Liverpool (London Office: 9 Mincing Lane). It is packed in one-pound bottles, and passes all the usual tests for purity.

FLY-QUIT.—Lawson & Co. (Bristol), Ltd., St. Philip's, Bristol, are making a special offer of fly-quit to chemists who send 30*s.* The offer, it is explained in the company's advertisement, is made to encourage chemists to meet the great demand which exists for fly-destroying agents.

TOILET SPECIALITIES.—Wright, Layman & Umney, Ltd., manufacturing chemists, Southwark, London, S.E. 1, make a special fourteen-days' offer of seasonable toilet specialities. These are the Lily Foam and Hazel Foam, two non-greasy toilet creams. The offer takes the form of a bonus on each dozen.

SICILIAN ESSENTIAL OILS.—W. Sanderson & Sons, Oates & Bosurgi Successors, Messina, Sicily, have submitted to us samples of their new-crop lemon, bergamot, mandarin, orange, and neroli oils, together with specimens of their terpeneless essences. To judge from the physical characteristics of these products, they are evidently excellent types of the high-grade essential oils for so long marketed by this firm.

TUBED OINTMENTS.—Macleans, Ltd., 6 Spring Street, London, W. 2, send us specimens of the cartons used for a series of ointments which are being offered for chemists' sale. The ointments, which include zinc and boric acid—and there is a catarrh jelly—are packed in collapsible tubes, which have the names printed direct on to the tubes. The name of the chemist can also be printed on the tubes, as well as on the cartons. In addition, miniature show-cards are being supplied, which can be placed in the window but do not monopolise space.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

G/227. Balmosal for rheumatism	R/277. Fraxinea Emulsion
B/237. Lactorine	A/277. Moth virus
BB/267. Durolox tablets	L/287. Basilika or Basilica mas-sage cream
M/267. Lawrence's bottle caps	

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C. 4:

Alcoholometers, H/97	"Milton," K/26
Clark's syphon stove, H/137	Oxide of manganese, H/17
Eukotas disinfectant, W/147	Pearl brand maize starch, N/147
Gre-solvent grease remover, L/87	Roger's safety razors, S/236
Hay's killeorns, T/87 and T/306	S. S. White's dental cream, R/296
Luton hat dyes, C/255	Thaolaxine, L/306
"Microbene," BB/185	

Observations and Reflections.

By Xrayser II.

Your Conference Number,

when compared with the corresponding number for 1870, the year in which Liverpool for the first time entertained the Conference (then in its seventh year), gives the most convincing evidence of the progress of pharmacy in Great Britain, which is as much as to say the world over, during the last fifty years. It would not be fair to contrast the one number with the other in point of size, for in 1870 the *C. & D.* was still a monthly paper; but a comparison may quite fairly be made between the reports given of the two meetings and the papers and discussions at each. The report of the 1870 meeting was furnished by Mr. Joseph Ince, who would certainly omit nothing of importance. In addition to the President's address he mentions five papers, of which the subjects were the purity of commercial beeswax, the cultivation of the opium poppy in Australia, citrate of magnesia (so-called), a "Century of Old Books," and pharmaceutical education in the provinces: that is, I fancy, a typical representation of the shop pharmacy of the period as I remember it. Compare it with the papers read this year, and their subjects! Even confining the comparison to this year's Practice Section, what an advance has been made! As for Science, there was no distinctively Science Section at all in 1870, and it may safely be said that there was as much science involved in this year's Practice Section as in the whole of the papers read in that year. I have been accused by friendly critics of being a mere praiser of past times, and I do not say we have lost nothing in the last half-century, but in pure pharmacy—or perhaps I should say in scientific pharmacy—we have grown from childhood to the full stature of a man.

Of this Year's Conference Papers

themselves I can say little or nothing, being myself of the old pre-scientific school. As such I note with some pleasure the President's remarks upon the relative value of natural and other drugs. After all, perchance, we of the 'sixties and 'seventies were not such fools as we looked, with our "herbs and other country messes," our miscellaneous concoctions of "salts and senna and spanish juice." There seems likely to be a return, if not to these crude mixtures, at least to a poly-pharmacy of a more consciously scientific sort. Ours may after all have been an illustration of the truth that common-sense is unconscious science. For the rest, the Presidential address was a masterly *résumé* of the progress made in the period under review. Skipping the Science Section I come to the paper on National Health Insurance dispensing, the first remark upon which is one of amazement at the objection taken to its being published. From every point of view, the ethical one especially, we ought to welcome both criticism and publicity; to shrink from either is not only a sign of weakness but suggests a guilty conscience. If the criticism is unjust, let it be refuted; if just, let us admit the fact and amend our ways. I confess that an allowance of a 10-per-cent. margin of error seems to me enormous and quite beyond justification in these days of standardised drugs, and it is a new doctrine to me that sodii bicarb. and similar articles need not receive the same care that is given to more powerful drugs. The writers of the paper are too timorous in refusing to express an opinion on the size of bottles, and they ought, in my opinion, to have been more emphatic on the subject of their graduation. If we are to have accurate dispensing we must have accurate dosage, and for that a properly graduated measure is essential. But if 10 per cent. of error is allowed on the compounding, another 10 per cent. in the administration may seem equally negligible.

On the Ethical Problems

in pharmacy Mr. Gilmour did not find much that was new to say, and it would be difficult to add anything really new to what has been said before. The subject was admirably, and I may say exhaustively

treated by Mr. Ince in a paper read before the Conference meeting at Nottingham in 1866, and the most that anybody can now do with regard to it is to extend and apply the principles therein laid down to new problems as they arise. The paper and an abstract of the discussion that followed were printed in the *C. & D.*, 1866, pp. 138-46, and are still well worth reading. The papers on adsorption medicines and plaster mulls are of great practical value. "Adsorption" is a new word for a new thing: it was used first in 1882 to signify the condensation of gases on surfaces of solids. "Mull" is a shortened form of "mulmull," from the Hindi *malma*, a thin variety of muslin. Of the remaining papers included in your report Mr. Hirst's is the most notable, as containing a forecast of a thoroughly new departure, and what promises to be a vast improvement on the old method of recruiting the ranks of pharmacy by private apprenticeship. I speak as one who has suffered under the old *régime*, the abuse of which is notorious: whether Mr. Hirst's scheme is possible or not, as a compulsory condition of entrance to the trade, it points the way in which reform seems most feasible.

The Return of Mr. Saunders

from his world-cruise so nearly coincided with the meeting of the Conference in Liverpool that it has been pushed temporarily out of my mind, but I should like, though late, to congratulate him upon what for a man of his years is a very considerable achievement. I do not pretend to know his age, but it must be nearly fifty years since I knew him on "the road," and I presume that he is not much younger than myself. Yet he has not only been round the world in very quick time, but has evidently carried with him a mind as "nimble and apprehensive," as alert in observation and as vivid in description, as he ever possessed, which is saying a good deal. There are travellers and travellers—a stick, said Dr. Johnson, may go all round the globe yet come home a stick, but Mr. Saunders is not a voyager of that kind. The reports he has made from time to time of what he has seen, and his comments thereupon, make us wish for a more extended and permanent record. Such a "tour" by a trained observer, undertaken for a special purpose and carried through consistently in pursuance of it, would be valuable to Mr. Saunders's fellow-pharmacists, as well as interesting to the general reader.

At this Holiday Season

a hint to travellers may not be amiss: if they do not see their luggage labelled by a porter at the station of departure the company will not hold themselves responsible for its carriage. Before leaving my holiday resort the other day I requested the station officials to have my luggage collected for despatch by a certain train. It was duly collected, and on my arrival at the station I saw it, legibly addressed by myself to the London terminus, on the station barrow, awaiting, along with a pile of other luggage, transference to the train on the rails close by. There was no porter at hand, and thinking further trouble unnecessary, I went forward and took my seat. At the first change I found it was not in the van. A wire was sent back and I was assured the luggage would follow me by the next train. It did not. Not until it had been twice again wired for and personal inquiries had been made at the other end was it despatched, and two whole days elapsed before it reached me. The company's officials persist in disclaiming responsibility on the ground that I did not see it labelled by them, though they had, as I have said, taken charge of it before my arrival. And we are told that the nationalisation of the railways would mean an increase of bureaucracy! It looks impossible.

"HISTORY OF THE LONDON PHARMACIST VOLUNTEERS."

An interesting account of this body, which was promptly organised for home defence by pharmacists unable to join the Regular Forces, has been published by the Pharmacists' Services Club. The book contains forty-seven pages and is illustrated. It forms a useful souvenir of the movement. Copies, 3s. 6d. post free, can be obtained from Mr. F. W. March, 3 Heslop Road, Balham, S.W. 12.

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Editorial Articles.

Proprietary Medicines Bill.

VISCOUNT ASTOR introduced the Proprietary Medicines Bill into the House of Lords on July 13, but it was not until this week that the text of the Bill was published. The Bill, which contains some very drastic provisions, is founded on the recommendations of the Select Committee on Patent Medicines, which began its sittings in May 1912 and reported in July 1914. We may say at once that the feeling of the drug-trade which we represent is to support any measure designed to prevent the sale of fraudulent medicines or any medicines or appliances intended for immoral purposes. The medical profession, however, has gone beyond this. Its ideal is the prohibition of the sale of medicines which enable the public readily to treat themselves without paying fees to doctors. The Proprietary Medicines Bill reflects the medical view, and shows clearly that the Bill is not promoted so much in the public interest as in the interests of the medical profession. If it had been desired to suppress the baser kinds of proprietary medicines it would have been easy to have brought in a Bill for this purpose, but, as this class of medicines is a very small one, that would not have benefited medical practice. As the Bill stands it is calculated to set up a costly bureau of medical

men and to do as much injury as possible to the industrial property in proprietary medicines. The Bill affects chemists who make a proprietary medicine with a small sale equally with the large manufacturers, and all the successful advertised remedies began in a small way, generally in chemists' shops. Apart from that, there is no reason why industrial property should be confiscated, unless it can be shown that the public is to benefit and unless ample compensation is made to the proprietors. The present is hardly the time to start another large department of medical men (at a minimum salary of 1,000*l.* each per annum) at the Ministry of Health, and the country is certainly not now in a position to pay compensation for the goodwill in the many businesses which it is proposed to expropriate. The definition of "proprietary medicines" in the Bill, which is as follows, is wide enough to include thousands of everyday remedies of excellent repute, the manufacture and sale of which is a valuable form of industrial property:

The expression "proprietary medicine" means any medicine which is held out by advertisement, label, or otherwise in writing, as efficacious for the prevention, cure, or relief of any malady, ailment, infirmity, or disorder affecting human beings, and (a) which is sold under a trade name or trade mark to the use of which any person has, or claims or purports to have, an exclusive right; or (b) of which any person has or claims or purports to have the exclusive right of manufacture, or for the making of which any person has or claims or purports to have any secret.

The official memorandum attached to the Bill is printed elsewhere in this issue, but it does not emphasise the unjust provisions of the Bill. Some of these we propose to refer to. The owners of proprietary medicines or appliances are to register them with the Ministry of Health, and it is to be an offence for anyone to sell a proprietary medicine or proprietary surgical appliance which is not registered. It is to be unlawful to sell any medicine or surgical appliance purporting to prevent, cure, or relieve cancer, consumption, lupus, deafness, fits, epilepsy, amenorrhœa, or other diseases peculiar to women, diabetes, paralysis, locomotor ataxy, Bright's disease, or rupture. This means that these particular diseases are incurable, and always will be beyond cure. It is a bold statement to make that there will never be discovered any remedy for the relief of these diseases. In the case of cancer, for example, efforts are continually being made to discover a remedy, and, as has happened in the past, such a discovery may not be made by a person possessing medical qualifications. It will be remembered that some years ago it was found that violet-leaves exerted a distinctly beneficial effect in soothing cancer, and preparations of violet-leaves were sold under brand names. In future the wretched sufferers from this terrible disease are to be denied the use of such a remedy, and the maker is to be liable to twelve months' imprisonment and a fine of 100*l.* The relief of deafness due to a cold is a simple matter, but a chemist who puts up eardrops, embodying an improvement on stereotyped remedies, will render himself liable to the severe penalties referred to. Who can say that a cure will never be discovered for diabetes, and, again, what can be the object in prohibiting the sale of an improved truss for the relief of rupture? Moreover, the Bill gives the Minister of Health the power at any time to add other diseases to the list given. As the Ministry of Health is a preserve of medical men, it will not be long before such things as headache and coughs are added. Indeed, it is probable that, as cough-mixtures relieve the cough of consumptives, they are already included in the list of prohibited remedies. Here is one of the new offences created by the Bill:

If any person—

(a) encloses with or in the parcel or wrapper containing a proprietary medicine or proprietary surgical appliance any written matter (not being any ordinary trade catalogue) advertising or recommending the use of some other proprietary medicine or proprietary surgical appliance . . . he shall be guilty of an offence against this Act.

If "written" matter includes printed matter, this seems to us to be purely a vindictive clause. A chemist in sending out a parcel of mixed goods which includes two proprietary medicines or in which a bill is included advertising one of his own proprietary medicines is to be liable to fine or imprisonment. The Minister of Health may make regulations prohibiting the registration of any medicine "unless and until full particulars of the ingredients of the medicine and the proportions in which those ingredients are used" or "full particulars . . . of the directions for use" have been furnished. It is obvious that this disclosure would tend to destroy the goodwill of the manufacturer, notwithstanding that the registrar or his staff is prohibited from making known the particulars. Clause 9 permits—

(a) the sale of any medicine or appliance to or for the use of any person in accordance with a prescription given in the case of that person by a duly qualified medical or dental practitioner; or (b) the sale of any medicine or appliance which is proved by the vendor to have been bought by him at any time before the twenty-fourth day of July, 1920.

The first sub-clause betrays the purpose of the Bill to close the monopoly of the medical profession in prescribing, and is quite impossible to carry out. Sub-clause (b) means apparently that the proprietary-medicine business is to cease until the Bill becomes law, a striking indication of the academic attitude of Government Departments.

The Act is not to apply to Scotland or Ireland, but this probably means that similar measures will be introduced for these countries when it is seen how the proposals are received in England. We think we have said sufficient to show that the Bill as it stands goes far beyond what is necessary for the protection of the public, that it is an insincere measure designed for the glorification of the Ministry of Health, will involve an enormous waste of public money, and must be vigorously opposed.

The Position of Copper Sulphate.

PRIOR to the war British makers of sulphate of copper enjoyed a large and prosperous export trade, principally to France and Italy; and although over eighteen months have elapsed since peace was concluded, the outlook for a return to normal conditions is as cheerless as can be, and it is to be regretted that makers and merchants have not been able to resume many of their old pre-war overseas connections. Towards the close of last year the depression was stated to be due to the considerable accumulations of stock held by manufacturers. These large stocks were responsible for the fact that the price, in the absence of any improvement in the demand, fell during November and December last year to as low as 37*l.* 10*s.* to 40*l.* per ton, f.o.b. Liverpool. In the earlier part of July 1919 the price stood at about 48*l.*, with standard copper near 92*l.* per ton, so that the subsequent fall in the value of sulphate to the lowest point above mentioned amounted to over 8*l.* per ton. Standard copper at the close of last year recovered to over 115*l.*, but copper sulphate then was no better than 43*l.*, despite the much higher cost of manufacture. Fluctuations in manufacturers' terms were proportionately small compared with those in the metal, the two extremes

of which in 1919 were 117*l.* 10*s.* and 73*l.* 10*s.* per ton. There was some recovery in sulphate prices during the first six months of 1920 to about the figure current a year ago (48*l.*), partly in consequence of the cutting down of the output, but the tendency lately has again been distinctly easier under a disappointing demand. It is understood that the output is now slightly increased, but there is certainly not much prospect of production being restored to the normal owing to the present poor margin of profit, chiefly due to much dearer labour and the high cost of fuel. In fact, the margin of profit is worse than it was a year ago, but this cannot be appreciably corrected unless the market is imparted a fresh lease of life. The fact may be mentioned that the terms ruling for copper sheets and other kinds of manufactured copper now command a margin about double that seen a year ago over the price of rough bar copper, owing to considerably higher working costs, and it is therefore evident that the price of sulphate should be many pounds a ton higher than it now actually is. Attempts to proceed with an adjustment of the price have so far proved abortive. The United Kingdom exports for the last six months, compared with the corresponding periods of last year and of 1913 (the pre-war year), together with the respective values, as indicated by the Board of Trade Returns, are as follows :

January to June ...	1913	1919	1920
Tons ...	69,575	27,223	16,422
Value ...	£1,572,482	£1,504,319	£638,521

Admittedly the export figures for the first half of 1913 were abnormally heavy, while the total exports for the whole of that year represented about 75,600 tons, against 84,100 tons for 1912, but the returns for the last eighteen months have shown a persistent shrinkage to a very low level. The total, indeed, for the first half of this year, it will be seen, was only 16,422 tons, and it seems almost probable that the total for the whole of 1920 will fall very much short of that for last year, which amounted to 35,000 tons, or a monthly average of less than 3,000 tons, compared with a monthly average of 6,300 tons in the pre-war year 1913. These figures clearly emphasise the crippled state of our export business in copper sulphate, the extent of which in pre-war times varied, roughly, between 75,000 tons and 90,000 tons per annum under normal conditions. This industry, similar to many others, has suffered very severely in recent years, largely as the outcome of the war restrictions and the inevitable dislocation of overseas business; but there is, unfortunately, not the least prospect of copper sulphate manufacturers even recovering part of the lost ground for an indefinite period, as the merchant trade lost the bulk of their overseas customers owing to the maintenance of the strict embargo on export business during the war and over the armistice period. Foreign countries, especially France and Italy, which were in pre-war times largely dependent on this country in order to supplement their needs, found themselves in a predicament during the first few years of the war, and were thus compelled to develop their own plants for the manufacture of sulphate. By far the most serious loss to British makers was the entire elimination of Italy as an importer, while her purchases, which in 1912 were as much as 31,000 tons, dwindled to 3,980 tons in 1916 and 66 tons in 1917. The great bulk of our exportable surplus during the war-period and under Government control was reserved for France, whose takings over that period represented, indeed, the greater part of our total exports, in sharp contrast to the gradual disappearance of exports to Italy. The following details of our exports for seven years give a clear illustration how the slump in

the operations of the industry has been brought about within the last few years :

United Kingdom Exports (tons).							
To	1912	1913	1914	1915	1916	1917	1918
Russia ...	2,141	2,977	4,156	1,614	6,930	1,651	nil
France ...	17,209	21,767	23,704	34,494	21,776	39,402	41,073
Portugal ...	4,982	4,449	3,152	3,498	1,452	106	497
Spain ...	5,437	4,965	5,274	5,895	45	1,469	1,566
Italy ...	31,000	27,128	17,046	9,588	3,980	66	nil
Austria-Hungary	9,130	2,540	2,125	nil	nil	nil	nil
Greece ...	3,471	2,627	3,060	1,615	8	nil	589
Rumania ...	1,737	2,368	2,680	1,488	1	nil	nil
Other countries...	9,004	6,812	6,701	7,019	4,727	4,436	3,870
Total ...	84,107	75,633	67,898	65,211	32,919	47,130	47,595

In 1919 the total exports were 35,089 tons, but the particulars as to countries of destination are not yet available. So far as can be gathered, Spain is now producing almost all the copper sulphate she needs, and Italian makers are said to be steadily developing their output. Italy has lately again secured considerable lines of raw copper from this country for this purpose. There is thus no prospect of any revival of export business in sulphate with these two countries. On the other hand, France's needs should eventually call for good quantities for the spraying of her vineyards; but the fact remains that merchant houses find it a difficult matter to win back old customers lost through the war. Had the export restrictions been withdrawn soon after the declaration of the armistice, instead of being retained unnecessarily over a considerable period thereafter, the paralysis of business would probably have been less marked. In pre-war years quite good quantities found their way to the Balkan States, also to Russia. The outlet in that direction, however, has since been practically eliminated, and rehabilitation is still considered remote under the present economic conditions.

Plums for Doctors.

THE Minister of Health has just appointed thirty-two whole-time medical officers for England and Wales to discharge "such duties as may be assigned to them by the Minister from time to time." The rate of remuneration will be 1,000*l.* per annum, rising by annual increments of 50*l.* to a maximum of 1,400*l.*, the positions being those of Civil servants, with the usual pension rights. The duties of the medical officers are to include :

- (a) Acting as referees on questions of incapacity of insured persons for work, and giving second opinions on questions of diagnosis and treatment;
- (b) Organising the arrangements for work of part-time medical referees for the area; and
- (c) Assisting in the administration of the Insurance Medical Service.

In addition, four "divisional medical officers" have been appointed for England. "The Times," in announcing the appointments referred to above, writes :

We think that some explanation of the duties of these gentlemen should be afforded, so that it may be possible to form an opinion as to their probable usefulness. The present is no time for lavish expenditure unless a real justification exists.

Tropical Disease Clinics.

A MEDICAL correspondent writes to inform us that the Tropical Diseases Clinics of the Ministry of Pensions are now in working order. An Assistant Commissioner of Medical Services for Tropical Diseases has been appointed, with headquarters at Burton Court, Chelsea, and Clinics have been established in most areas of the Ministry. The officers in charge are usually medical practitioners, and the actual treatment is in the hands of the panel practitioners. Up to date, only the two following stock prescriptions have been adopted for the Clinics :

I.		II.	
Quin. sulph. ...	gr. lxxx.	Liq. arsen. hydro-	
Ac. sulph. dil. ...	q.s.	chlor. ...	3ij.
Aquæ ...	5viij.	Ferri sulph. ...	gr. xlvij
Two tablespoonfuls every		Mag. sulph. ...	5iss.
day just before breakfast.		Aq. ad ...	3xij.
		One tablespoonful in a little water three times a day after meals.	

Pharmaceutical Society of Great Britain.

Qualifying Examination.

THE following are the results of the examinations held this month in London :

	No.	Part I.		Part II.	
		Absent	Passed	Absent	Passed
Entered for whole Examination	1,042	18	535	9	338
Entered for Part II. and referred subject in Part I.	44	—	37	—	17
Entered for Part I. only	32	2	16	—	—
Entered for Part II. only	66	—	—	1	43
Referred subject in Part II.	20	—	—	—	16
	1,204	20	588	10	414

Referred in one subject :

Botany 32, Chemistry 91, Physics 9, Materia Medica 14, Pharmacy 62, Poison Law 2.

PART I.

The following have satisfied the examiners :

Atkinson, C. A., Leeds
Allanson, C., Penarth
Anderson, W., Cheetham
Andrews, A. B., Aberaman
Atkins, R. V., Newcastle
Bacon, Jack, Mickleover
Baker, Eric A., Leicester
Baker, Leonard D., Taunton
Barker, Joseph, Rusholme
Barnes, J. Harvey, Exeter
Beck, P. G., Burgess Hill
Berlin, Julius, Horsham
Bilcliffe, H. C., Barnsley
Bobby, Stanley C., Soham
Bond, Phoebe G., Brecon
Booth, Reginald, Wyke
Booth, T. C. N., Middlesbrough
Bowen, Frank H., Sketty
Bradbury, Fred, Blackpool
Brewer, James D., Truro
Broad, James, Liverpool
Brooks, E. S., Barrow-in-Furness
Brown, A. J., Derby
Bruce, Dorothea, Chisworth
Bumwell, Cecil V., Norwood
Buckley, Frank, Bradford
Burgess, J. W., Ferndale
Butterworth, John, Denton
Butterworth, John W., Bolton
Cavert, F. H., Stockport
Cavert, H. H., Brierfield
Carpenter, James, Polegate
Carter, Fred J., Bispham
Chapman, Harold E., Sheffield
Charles, T., Thornton Heath
Chazan, Myer, Cheetham Hill
Clark, Wilfred D., Louth
Clarke, A. O. L., Catford
Clayton, Dorothy, Bromley
Clayton, John, Oxford

Collins, Stanley, Oldham
Cooper, E. J., Crewe
Cottis, P. E., Bury St. Edmunds
Cox, T. J., West Bridgford
Craddock, C. H., Blackpool
Curran, Mary S. B., London
Darley, T. W. E., Nottingham
Davies, Albert C., Crumlin
Davies, Geo. E., Ton Pentre
Densham, Herbert, Leicester
Dewhurst, Edgar, Bolton
Diggle, Walter S., Rochdale
Donaldson, Henry, Cannock
Downer, G. F. A., Southampton
Durkin, T. A., Blackpool
Edwards, David, Mardy
Edwards, S. B., Barry
Elliott, H. P., Brixham
Evans, J. I. H., Ferndale
Evans, Lewis J., Aberystwyth
Evans, Trevor, Hirwain
Farrant, Edwin E., Uxbridge
Finch, Jacob, Norwich
Foley, John, Wolverhampton
Foster, D. A. C., South Norwood
Furness, H. L., Ansdell
Gartside, Fred, Delph
Glenn, C. E., West Bridgford
Gower, S. J., Tonbridge
Granger, G. B., Handsworth
Graft, Gordon, Harrogate
Hackett, D. G., Leicester
Hall, H. Tom, Bristol
Hampson, D. C., Leigh
Hancock, P. W., Shepperton
Hannam, G. H., Leicester
Harker, W. J., Liverpool
Harris, J. A., Porthleven

Haslam, Dorothy M., Egerston
Haynes, S. G., Crofton Park
Hemingway, Cyril, Worcester
Hills, E. G., Chelsea
Hodgetts, H. N., W. Bromwich
Hodkinson, Francis, Wigan
Holt, H. F. L., Nelson
Horsley, G. W., Nottingham
Howell, Eunice E., Moseley
Hughes, D. M., Penarth
Hurst, F. J., Boston
Iberson, F. H., Barrow-in-Furness
James, A. P., Aberystwyth
James, D. A., France
Jameson, J. C., Stockton-on-Tees
Jenkins, Alice G., St. Clears
Jenkins, Nora K. M., Edgbaston
Johnson, T. R., Merton Pk.
Johnstone, R. D., Woolwich
Jones, Arthur, Denbigh
Jones, G. O., Pwllheli
Jones, G. M., Tonypandy
Jones, Ida A., Southampton
Jones, I. B., Neath
Jones, L. G. J., Hackney
Jones, R. J., Nevin
Jones, Thomas, Carnarvon
Jones, T. L., Birkenhead
Kent, E. T., Sunderland
Kenyon, J. G., Barrow-in-Furness
Latham, F. E., Brixton
Leary, W. J., Poplar
Lefebvre, Ida M., Havant
Levin, H. V., Burton-on-Trent
Lightfoot, G., Penrith
Little, E., St. Anne's-on-Sea
Lockett, Hilda A., Longton
Lockey, S. T., Newcastle-on-Tyne
Long, H., Newport, Mon.
Lundie, N. V., Liverpool
Mandell, John, West Ealing
March, Gerald, Balham
Marshall, Percy, Stafford
Mass, Morris, Liverpool
Matthew, A., Bowes Park
Matthew, Hector, Leeds
Mendus, J., Haverfordwest
Metcalfe, E. F., Halifax
Mill, W. A., Swansea
Miller, Eric, Leeds
Mitcham, Marie R., Walkden
Mitcheli, D. S., Luton
Mitchell, L., Bare, Morecambe
Morgan, Selwyn, Treforest
Morris, Elsie, Bolton
Morris, W. L. G., Swansea
Moss, G. H., Little Sutton
Moulds, F. W., Nottingham
Mullolland, Joseph, Bristol
Nash, H. J. S., Eastbourne
Naylor, S. R., Coventry
Nicholas, W. C., Cardiff
Nicholson, Evelyn H., Cloughton
Norman, William, Bristol
Osborne, Phyllis M., Mill Hill
Parr, C. H., Croydon
Pattinson, G. A. F., Leicester
Pearce, G. T. F. C., Middlesbrough
Pearce, L. J., Bristol
Perrins, W. T. M., Bristol
Phazey, H. T., Bordesley
Phillips, Gwilym, Tonypandy
Pierce, W. J., Gorseinon
Pinson, P. J., Willenhall
Player, Phyllis M., Bath

Polson, David, France
Potts, G. R., Denton
Proctor, J. C., Morpeth
Ramage, W., Isle of Wight
Ratcliffe, Ernest, Darwen
Riddle, T. E., Hexham
Ritchie, George, Aberdeen
Roberts, Llewellyn, Portmadoc
Roberts, W. R., Wigan
Robertson John, Folkestone
Robinson, J. A., South Shields
Roushdy, M. M., Newcastle-on-Tyne
Rowlands, W. H., Liverpool
Rowley, W., Handsworth
Sadler, J. K., Hove
Sale, H. R., Brixton
Salmon, John, Porth
Salisbury, B. M., Liverpool
Shufflebottom, E., Birmingham
Sillitoe, A. L., Sudbury
Simms, Frank, Staveley
Skelton, F. W. V., Nuneaton
Slater, W. E., Eastwood
Smith, Mary, Shepshed
Standish, Elsie, Chorley
Stant, Harry, Northwich
Stenson, Charles, Bolton
Stobbs, Elsie V. M., Walsley
Storey, G. A., Ware
Sturges, Hilda M., Leicester
Surr, T. B., Bolton
Surridge, E. W., Plymouth
Swain, Thomas, Bath
Swann, H. C., Shrewsbury
Tandy, Muriel B., Handsworth
Tandy, T. E. G., Hastings
Tanner, P. C., Chesham
Tappenden, Beatrice M., Dover
Taylor, John, Teddington
Taylor, W. S., Nantwich
Thwaites, G. H., Portsmouth
Tottenberg, Ruben, Aldgate
Townsend, Florence A., Clapham
Turner, Harry, New Mills
Turner, Olga, Hull
Underwood, V. A., Saxmundham
Venable, C. P., Wandsworth
Ventin, A. D. B., Haverfordwest
Walker, Alfred, Eccles
Walker, Arthur, Braystones
Walker, Kathleen S., West Bromwich
Walker, R. H., Doncaster
Walmesley, J. C., Burnley
Walton, F. W., Wolverhampton
Walton, F. E. C., Darlington
Walton, W. H., Kegworth
Wardell, L. J., Malton
Watts, L. J. B., Barnstaple
Watts, T. W., Letterston
Weavers, F. J., York
Westropp, M. J., Southsea
White, C. A., Dunstable
White, D. G., West Bridgford
Wilkinson, J. R., Darlington
Wilks, Eleanor, B. A., Birmingham
Williams, Albert, Risca
Williams, C. E., Rochester
Williams, E. B., Mold
Williams, E. N., Holywell
Williams, J. E., Port Talbot
Williams, S. W., Newtown
Wilson, D. L., Clapham Rise
Wilson, W. M., Nottingham

Wilton, N. C., Charlton
Wood, E. A., Nottingham
Woodhouse, Godfrey, Hea-
nor

Woodward, F., King's Lynn
Woolley, William, Radford
Wootton, N. J., Hanley
Wright, C. H., Rhyl

PART II.

The following, having satisfied the examiners in Part II., have been registered as chemists and druggists :

Amos, John, Rhyl
Balfour, W. L., Streatham
Barker, L. H., Birmingham
Barnes, Allan, Oswaldtwistle
Bentley, A. O., Nottingham
Caley, N. C., Liverpool
Chambers, C. J., Kimberley,
Notts
Chambers, W. W., Kimber-
ley, Notts
Cocuzzi, L., Stepney
Coombs, A. B., Bath
Davies, E. E. S., Morriston
Davis, Ella C., Newbury
Fermor, Charles, Dover
Fielding, Mabel A., Halifax
Foulser, F. H., Hove
Gardiner, H. W., Barrow-
in-Furness
Glyn-Jones, H., Palmer's
Green
Green, L. H. A., Kimberley
Gretton, H. T. A., Daybrook
Grubb, H. W. N., Plum-
stead
Harris, F. M., Fulham
Hayward, Lilian D., Wol-
verhampton
Heath, F. H., Tunstall
Hinchliffe, G., Dukinfield
Jackson, R., Forest Hill
Jones, W. R. H., Birken-
head
Knight, J. M., Birmingham
Laycock, C. Elsie, Waver-
tree
Levi, Julius, Manchester
Lloyd, Ivor, Harlech

Lloyd, Lyndon, Llechryd
Lowe, Kathleen M., Man-
chester
Luxton, B. T., Camelford
Mason, Mary A., Derby
Mathieson, D. M., Leith
Monks, H. L., Swindon
Mure, J. S. A., Paisley
Norman, K. V., Godalming
Phillipson, W. E., Bamber
Bridge
Plant, R. C., Newcastle
Pryce, E. C., Harmer Hill
Reynolds, F. C., Leighton
Buzard
Rich, David, Hanley
Roberts, R. G., Colwyn Bay
Robertson, W., Bournville
Rogers, C. A., Leamington
Spa
Rowe, R. A., Bournemouth
Sands, Mabel H., Notting-
ham
Senior, Irene, Gillingham
Shawcross, H. L., Finchley
Storey, Naomi P., Cark-in-
Cartmel
Swaffield, W. C., Brockley
Taylor, A. J., Southgate
Trinick, J. S., Liverpool
Valsler, Frank, South Eal-
ing
Walker, J. H., Liverpool
Wallace, W., Crofton Park
Wild, Olive A., Prescott
Williams, J. D., Blaenau
Festiniog

Butler, E. J., Harborne
Buxton, A. A., Derby
Calcutt, A. H., Peter-
borough
Casy, C. F., Stroud
Challinor, C. S., Middlewick
Chamberlain, Marion L.,
Lewisham
Chappell, H. C., Buxton
Cheetham, Norah K., Bir-
kenhead
Clark, E. C., Malvern Wells
Clarke, B. S., Sheffield
Clements, R. D., Northamp-
ton
Cole, W. B., Teddington
Coleman, H. L. S., Ton-
bridge
Cook, G. M., Norwich
Cooper, Ernest, Leicester
Cooter, V. C., Havant
Coulson, J. A., Preston
Cowen, William, White-
haven
Cox, D. H., Nottingham
Cox, Harold, Westminster
Cox, H. A., Coventry
Cox, W. E., Chatham
Crack, Fred, Edmonton
Crick, A. H., Malden
Crick, C. E., Malden
Croft, W. N., Hartlepool
Croasdale, A. H., Bury
Crosland, J. H., Sutton
Crossley, John, Sellatyn
Cummings, H. D., Finsbury
Park
Davidson, L. F., Brondes-
bury
Davie, J. R., Nottingham
Davies, J. M., Cardiff
Davis, Margaret B., Brom-
ley
Dawson, J. W., Cockerton
Dawson, Percy, Luton
Daykin, G. W., Nottingham
Dellar, A. W., Wallasey
Delph, G. C., Cambridge
Densem, Harold, Exeter
Derrick, F. B., Liverpool
Dunn, Joseph, Preston
Dunn, R. I., Baldock
Durley, Margery E. H.,
Hull
Dyer, F. J., Westgate-on-
Sea
Edwards, L. F., Birming-
ham
Edwards, L. G., Ware
Egelstaff, E. P., Notting-
ham
Egginton, Mary D., Sedgley
Elders, F. B., Stockton-on-
Tees
Ellis, W. May, Stratford-on-
Avon
Evans, L. J., Ponders End
Evans, R. H., Manchester
Fairhurst, A. C., St. Helens
Fanthorpe, Arthur, Hull
Fenton, H. S., London
Fielding, J. E., Louth
Firth, C. W., Richmond
Fitch, W. K., Norwich
Fleeman, G. E. V., Notting-
ham
Fleming, Willie, Filey
Fortey, C. A., Eckington
Foster, A. L., Maidenhead
Fox, E. M., Balby
Framingham, W. J. P.,
Hunstanton
Fresson, E. E., Longton
Furley, A. Maud, Notting-
ham
Gardiner, J. A., Ely
Garland, J. E., Southsea
Garrick, E. A., Penarth
Geddes, P. C., Fyvie
German, M. H., Bristol

Gibbs, G. A., Upton-on-
Severn
Gilbert, C. P., Sheffield
Glew, C. M., Mansfield
Gough, W. E., Hanley
Grand, A. J., Norwich
Grant, P. S., Aberdeen
Gray, A. E., Cockermouth
Green, Joseph, Seven Kings
Green, William, Tooting
Greenstreet, G. K., More-
cambe
Griffiths, J. A., Ludlow
Griston, P. A., North Wal-
sham
Grundy, T. H., Westough-
ton
Hale, Benjamin, Liverpool
Hale, H. B., Tunbridge
Wells
Halkier, James, Spennymoor
Hall, Albert, Kensington
Hands, A. W., High Wy-
combe
Hands, J. V., Nuneaton
Hardwick, J. W., Chester-
field
Harlow, L. H., Bourne-
mouth
Harper, Thomas, Withing-
ton
Harris, B. V., Haslemere
Harrison, F. C., Birming-
ham
Harrison, W., Kirkby Ste-
phen
Hart, J. F., Cheltenham
Harvey, A. E., Carlisle
Hay, Thomas, Bedlington
Hayward, F. W., Hanover
Square
Hayward, H. J., Brockley
Hayward, S. J., Hanley
Heathfield, A. P., Lincoln
Hendy, S. A., Clapham
Heptinstall, L., Worsbro'
Dale
Hewitt, C. A., Hull
Hewlett, W. E., Bath
Hey, T., Ambleside
Hines, C. T., Hornsey
Hirst, Alap, Manchester
Holmes, Hugh, Swansea
Hooper, W. G., Southamp-
ton
Hopkins, A. T., Leicester
Hopper, E. H., Beverley
Horsbrough, J., Hetton-le-
Hole
Houlker, George, Accring-
ton
Hudson, H. R., North Cave
Hughes, T. E. E., Llandrin-
dod Wells
Hulett, E. A., Wombwell
Humphreys, W. E., Fairfield
Hunt, G. R., Culpho.
Hutchinson, A. G., Clap-
ham Common
Ife, A. E., Nottingham
Jacks, Edith M., Hove
Jackson, G. H., Winton
Jackson, H., Levenshulme
Jackson, J. H., Little-
borough
Jackson, W. J., Whitley
Bay
Jacob, H. W., Swaffham
Jacques, S. F., West Hartle-
pool
James, W. H., Llanelly
Jarvis, O. W., Fakenham
Jarvis, W. C., Walkley
Jay, C. E., Oxford
Jenkin, Irene N., Batterse-
t Park
Jenkins, G. C., Roath
Jinks, M. L., Iron Bridge
Johns, Amy D., Hornsea
Johnson, C. R. F., Briggs

PARTS I. AND II.

The following, having satisfied the examiners in Parts I. and II., have been registered as chemists and druggists :

Abbott, R. F., Swindon
Abrams, David, Manchester
Adam, David, Edinburgh
Adams, Margaret F., Brigh-
ton
Aitcheson, J. K., Sunder-
land
Alderton, R. T., Cambridge
Allen, John, Rugby
Allison, H. J., Lincoln
Andrews, Dorothy, Heanor
Andrews, E. H., Malvern
Wells
Ardagh, A. W., Barnard
Castle
Arnott, J. C., Porthcawl
Ashmore, Elizabeth W.,
Leeds
Astin, Vernon, Halifax
Austins, J. H., Wolverhamp-
ton
Badger, C. W., Ludlow
Ball, Walter, Hull
Ballan, Norman, Exeter
Bateson, F. R. C., Leighton
Buzard
Beer, F. W. J., Bristol
Beer, S. G., Swanage
Bell, Thomas, Sheffield
Bennett, Horace, Didsbury
Berry, J. R., Worsop
Betts, A. T. F., Worcester
Billington, Roland, Barnsley
Billington, W., Barnsley
Blackwell, F. L., Plymouth

Blakeley, Dorothy M., Bir-
stall
Bloodworth, F. W., Isling-
ton
Bolton, Frederick, Fenis-
cowlles
Bomber, W. H., Watford
Boot, Fred, Nottingham
Bowden, Marion A., Rus-
holme
Bowker, Cecil, Burnley
Bowyer, C. H. E., Midhurst
Boyce, S. T., Hull
Boyd, H. J., Aberdeen
Boyde, J. F., Sutton
Brailsford, Ida, Notting-
ham
Bright, R. R., Clun
Brindley, John, Norton-le-
Moors
Broad, C. F. H., Bath
Brookes, Joshua, Folkestone
Browell, Robert, Clapham
Bucklow, Alfred, Elgin
Bundock, Hilda, Clapham
Burndrett, S. A., Newcastle,
Staffs
Burningham, C. Ada, Wal-
ton-on-Thames
Burrows, T. R., West Bridg-
ford
Burton, F. R., Louth
Burton, T. Mary, Sax-
mundham
Butcher, A. R., Blackpool

ones, E. S., Harborne
 ones, F. L., Taunton
 ones, G. F., Sheffield
 ones, W. I., Portmadoc
 utton, A. W., New Cross
 eable, J. W., Nelson
 een, F., Stoke-on-Trent
 elsey, W. C., Stoke New-
 ington
 Kermeen, C. B., Birken-
 head
 Ciernan, F. A., Manchester
 Kimber, Doris, Southamp-
 ton
 King, T. S., Worthing
 Kitching, C. F., Oaken-
 gates
 Kitchingman, Joyce T.,
 Fulham
 Macdonald, Nora K., Marylebone
 Main, A. E., Norwich
 Mathbury, P. E., Birming-
 ham
 Matimer, R. C., Lough-
 borough
 Lewis, Roy, Brighton
 Longthorne, S. W., West-
 cliff-on-Sea
 Lotherington, Laura A. C.,
 Ben Rydding
 McFall, R. C., Alford
 Mackavoy, J. R., Batley
 Carr
 McKee, Kingsley, Acton
 Mackenzie, D. J., Grange
 Park
 Maplethorpe, C. W., Hull
 Farriner, A. W., Southport
 Marsh, Warwick, Blackpool
 Matthews, Florence M.,
 Tredegar
 Matthews, L. G., Tasburgh
 Matthews, L. W., Notting-
 ham
 McCoy, H. A., Maidstone
 Metcalfe, Kathleen M.,
 Shirley
 Middleton, F. D., Forest
 Gate
 Miel, C. E., Lincoln
 Mills, Jane C., New
 Brighton
 Milne, D. R., Newport
 Monk, Harold, Addingham
 Morgan, M. T., Llantwit
 Major
 Morrow, C. W., Hornsea
 Mosses, Gwenfron, Coedpoeth
 Moss, T. W., Aberdare
 Mossman, J. E., Brampton
 Oxham, E. T., Newport,
 Mon.
 Purfett, H. C. A., Oxford
 Purrisson, R. G., Manor
 Park
 Pylori, F. H., Harwich
 Reall, H. A., Brighton
 Reisman, F. H., Welling-
 borough
 Rieblett, W. V., Cardiff
 Rochas, R. J., Penrhynt
 Rieblingale, W., Radcliffe
 Rixon, A. C., Whitehaven
 Roller, Arthur, Stockwell
 Rorack, Z. H., Piccadilly
 Royon, E. A., Lincoln
 Royen, Frances M., Christ-
 church
 Royens, C. W., King's Nor-
 ton
 Royce, R. W., Boston
 Roychen, F. C., Putney
 Royce, David, London
 Roymore, E. J., Bunting-
 ford
 Royce, C. E., St. Ives
 Roybleton, J. C., Nuneaton
 Roynington, C. R. A., Lich-
 field
 Royllips, C. R., Colwyn Bay
 Royllips, Hugh, Withington

Phillips, J., Stoke-on-Trent
 Phillips, J. H., Swansea
 Phillips, N. K., Winton
 Phillips, O. A., Sefton Park
 Pilkington, J. A., Brixton
 Pitt, B. E., Stamford
 Pitt, Frank, Cotham
 Pope, Harry, Sturry
 Prance, Ruby W., Kensing-
 ton
 Preston, C., Sheffield
 Price, E. A., Oxford
 Price, J. C., Manchester
 Priestley, Handel, Halifax
 Qualtrough, E. May, Doug-
 las
 Quin, R. H., Blackburn
 Rae, John, Deganwy
 Raistrick, A. T., Driffield
 Ramsay, G. D., Halifax
 Ramsbottom, Bertram, New
 Mills
 Rawlings, Kathleen E.,
 Southsea
 Redhead, Allan, Leeds
 Reedman, E. J., Leicester
 Rees, Jesse M., Porth
 Robbins, M. Ellen, Lims-
 field
 Roberts, Robert, Liverpool
 Roberts, Robert, Limerick
 Roberts, T. I., Ealing
 Robertson, A. F., Hexham
 Rogerson, Elizabeth, Minster-
 Rowland, A. R., Hull
 Ruddock, A. E. H., East
 leigh
 Rugg, Kathleen M., Lewes
 Sampson, D. W., East Lou-
 don
 Sanderson, E. May, West-
 minster
 Savage, Kathleen M., King-
 ston-on-Thames
 Scrace, A. Margaret, Chai-
 ham
 Shaw, A. H., Chesterton
 Shute, E. L. H., Brighton
 Shute, F. E., Erdington
 Shuttleworth, E. W., Flook-
 burgh
 Simcox, H. H., Sparkhill
 Simpson, A., Oldham
 Smedley, L. G., Northamp-
 ton
 Smith, Doris K., Ipswich
 Smith, Edgar, Crediton
 Smith, G. O., Sutton-in-Ash-
 field
 Smith, H. S., Brighton
 Smith, Samuel, Birmingham
 Solomons, A. J., Mile End
 Speedy, Norman, Whitby
 Spencer, Alfred, Beverley
 Starkey, H. W., Notting-
 ham
 Stephens, D. P., Llanelly
 Stephenson, Douglas, Shef-
 field
 Stevens, C. J., Formby
 Storms, P. M., Newport,
 Mon.
 Stratton, R. J., Leighton
 Buzzard
 Sturgeon, G. L., Harringay
 Sumner, J. S., Sedgley
 Surfleet, Arthur, Hull
 Swinburn, Wilfred, Penrith
 Tarbit, Kathleen, Clapham
 Tarry, W. E., Derby
 Taylor, J. S., Pincton
 Thomas, W. C. S., Roath
 Park
 Thompson, P. H., Middles-
 brough
 Thurgar, H. R., Coggeshall
 Thursby, Rowland, South-
 port
 Timm, E. B., Goole
 Todd, J. F. H., Barrow-in-
 Furness

Tomblin, E. A., Leicester
 Tompkin, L. M., Notting-
 ham
 Travis, William, Liverpool
 Venables, Arthur, Edmonton
 Walker, Fred, Darwen
 Walker, John, Alva
 Walker, J. E., Stretton
 Welch, F. S., Birmingham
 Wells, James, Southsea
 Wharton, William, Stafford
 While, E. C., Middles-
 brough
 White, S. H., Birmingham
 Whitlock, L. A., Fulham
 Wickett, Harold, Tottenham

Wicks, E. W. E., Little-
 hampton
 Wilkinson, T. W., Didsbury
 Wilkinson, Walter, Levens-
 hulme
 Williams, A. L., Swansea
 Williams, O. T., Ashton-in-
 Makerfield
 Williams, P., Staveley
 Towne
 Williams, R. L., Newtown
 Woolf, A. S. J., Birming-
 ham
 Wright, Cecil, Rainhill
 Wright, E. J., March
 Wynne, W. F., Llanrwst

Summer Outings.

An Evans Lescher Picnic.

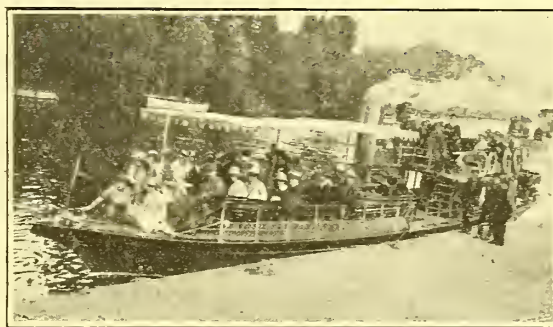
THE Basilio Chess and Recreation Club, whose members are employes in the laboratories of Evans Sons Lescher & Webb, Ltd., of Liverpool, recently held their second annual picnic. The venue was Southport, and being favoured with ideal weather, a most enjoyable afternoon was spent. The party numbered eighty-five, among whom were included several lady members of the staff. The arrangements were ably carried out by Mr. R. Roberts, chairman; Mr. R. Paisley, secretary; and Mr. H. E. Shallcross, treasurer.

W. J. Bush's Sports Meeting.

THE Sports Club of W. J. Bush & Co., Ltd., Hackney, which includes cricket, football, lawn-tennis, and hockey sections, held the first athletic meeting of the harrier section at the Clapton Orient Football Ground on July 17, in the presence of about three thousand spectators. Mr. F. H. Hulford, the 1912 British Olympic Team representative, acted as starter. The Baroness de Bush was present, and Mr. J. M. Bush, as chairman, opened the proceedings, which were most enjoyable both to competitors and spectators.

West Ham Pharmacists' River Trip.

THE West Ham pharmacists held their annual summer outing on July 15, when a party of about fifty (including ladies) had an enjoyable river trip. The weather throughout was ideal. The steam launch *Richmond Belle*



ABOARD THE *Richmond Belle*.

(specially engaged) was boarded at Hampton Court about 3 P.M., and proceeded as far as Chertsey, tea being provided on board. Musical items, with Mrs. Gwinn and Mr. Clifford Jones at the piano, were given; and Messrs. Godbold, Offord, Stephen, Clifford Jones, and others contributed songs. The accompanying photograph was taken by Mr. C. A. Pratt.

GERMAN MAKERS of synthetic perfumes state that, in consequence of the high cost of production, the prices charged for the home market are already higher than those quoted by foreign makers, and the extra levy of 8 per cent. export tax renders all foreign business impossible.

Association Affairs.

Association of Certificated Dispensers.—The annual general meeting was held recently at the Memorial Hall, Farringdon Street, London, E.C., Mr. Montague G. Smith, F.C.S., presiding. The following members were elected to serve as officers: *Chairman*, Mr. George Reed (late dispenser, Croydon Provident Dispensary, also Croydon General Hospital); *Vice-Chairmen*, Messrs. S. M. Evans and J. F. Turner; *Secretary*, Mr. Herbert C. Richards, of 46 Hathaway Road, West Croydon (late chief dispenser to the Croydon War Hospitals); *Treasurer*, Mr. J. S. Northcott; *Auditors*, Mr. J. Brownlow and Miss R. A. Harrison. Also the following were elected members of the *Executive Committee* for the ensuing year: Messrs. G. R. Evans, M. Leigh, H. E. Peerless, M. G. Smith, F. E. Trayner, A. Wager, and Misses S. F. Barlow, F. M. Harvey, L. R. Harrison, F. M. Hunter, E. L. Hoare, and L. Hunter. The resignations of Mr. Montague G. Smith and Mr. Francis E. Trayner were accepted with reluctance. It was considered in the best interests of the Association that its leaders should be chosen from men to whom the by-law regulations appear at present to operate harshly and unjustly. Mr. Reed thanked the members for showing their confidence by electing him chairman. He warmly expressed his feelings in respect of the by-law regulations as now existing. He was one of the witnesses before the Departmental Committee of Inquiry (on the working of the National Insurance Act), to whom he stated his position to be one of impending hardship. He has since lost his appointment after ten years' continuous service, directly due to the National Insurance Act. A present of a gold watch from the members was handed to Mr. Trayner by Mr. Montague Smith in recognition of his long service as secretary. Many letters have been received expressing appreciation of Mr. Trayner's services.

Company Chemists.—A joint meeting of the Company Chemists' Association and the Association of Proprietors of Multiple Shop Businesses, Chemists and Druggists was held at St. Pancras Hotel, London, on July 20, when the following resolutions were adopted:

1. That this combined meeting of the Company Chemists' Association, Limited, and the Association of the Proprietors of Multiple Shop Businesses, Chemists and Druggists, having considered the communication sent to the Local Associations and Federations of Employers, calls the attention of the Local Associations Executive Committee and the Pharmaceutical Council to the fact that they cannot, as at present constituted, act for those employing the majority of qualified chemists' assistants and others in the drug-trade, and regret in view of the relations between them and the two Associations represented here that such steps should have been taken without first conferring with these Associations.

2. That the Association of the Proprietors of Multiple Shop Businesses, Chemists and Druggists, protests against the failure of the Local Associations Executive to provide for the 33½ per cent. representation on all negotiating bodies set up to consider the conditions and terms of remuneration in pharmacy.

Coventry.—The annual meeting of the Coventry Pharmacists' Association was held on July 14, at which Mr. C. H. Welton presided. It was decided to offer financial help towards the Pharmaceutical Council election expenses of Mr. Davis, and the sum of 15*l.* was promised. The President read the annual report, and stated that it had been a very successful session. The following officers were elected for the ensuing year: *President*, Mr. G. R. Williamson; *Vice-Presidents*, Mr. C. H. Welton and Mr. S. H. Bird; *Secretary*, Mr. W. H. Green; *Treasurer*, Mr. W. Holmes.

Dublin.—The Dublin Retail Drug Association held a committee meeting on July 14, Mr. A. Owen Wells (Vice-President) in the chair. The following were also present: Messrs. W. H. Boyd, W. F. Ellis, G. A. McLean Lee, Geo. Brown, John Smith, R. White, Dr. J. A. Walsh, and Mr. R. J. Kidney, secretary. Correspondence from the following was dealt with: Foster, McLellan & Co., Ltd., London, and R. I. Eccles, Athy.

Edinburgh.—The third botanical excursion of the Edinburgh Chemists' Assistants' and Apprentices' Association, through the courtesy of Duncan, Flockhart & Co., took the form of a visit to the Drug Farm at Warriston, Inverleith Row, Edinburgh. The firm invited a number of representative pharmacists, among whom were Mr. James Mackenzie, Mr. Duncan, Mr. Leman, Mr. A. K. Stewart, Bailie Coull, D.Sc., Mr. J. H. Ramsay, Mr. Thomas Wilson, and Dr. Goodall. The party was received by Mr. R. Glode Guyer, Ph.C., chief laboratory chemist, who conducted them over the garden. Among the plants were seen *Aconitum Napellus*, *Papaver somniferum*, *Cochlearia Armoracia*, *Linum usitatissimum*, *Glycyrrhiza glabra*, *Rosa gallica*, *Conium maculatum*, *Valeriana officinalis*, *Lactuca virosa*, *Atropa Belladonna*, yielding about 50 per cent. more alkaloid than five commercial samples. *Datura Stramonium*, *Hyoscyamus niger*, *Verbascum Thapsus*, *Digitalis purpurea*, *Lavandula vera*, *Colchicum autumnale*, *Veratrum viride*, *Phleum pratense* (Timothy grass), from the pollen of which is prepared the hay-fever antitoxin. Mr. Guyer said he was inclined to attribute the higher activity of some of these plants when grown in Scotland, notably *Belladonna*, to the lower temperature and slower growth. The demonstration was greatly enjoyed, and was followed by an alfresco tea.

Leicester.—The annual meeting of the Leicester and Leicestershire Pharmaceutical Association was held recently, Mr. E. B. Ward (past President) in the chair. The reports of the secretary, the Pricing Sub-Committee, and the Education Sub-Committee were read, and the treasurer reported a balance in hand of 25*l.* 6*s.* 5*d.* Mr. W. J. Lewis was unanimously elected *President* for the coming year, and Mr. F. Goodess, *Vice-President*; Mr. F. Blockley was re-elected *Treasurer*. Mr. A. E. Young regretted he could not accept re-election as secretary. Mr. F. H. Clark was then elected *Secretary*, and Mr. C. W. Leake re-elected *Assistant Secretary*.

Middlesex.—At a meeting of the Executive of the Middlesex Pharmaceutical Association, held on July 14 the officers were formally reappointed. No action was taken with regard to the proposed compilation of a pharmaceutical military record, and the question of appointing delegates to the proposed Metropolitan Federation was again deferred. A circular dealing with the question of wages was received from the Local Associations Executive Committee, and referred to the district Associations.

Northampton.—The annual meeting of the Northampton Chemists' Association was held on July 14, Mr. E. Y. Stuckey (Vice-President) in the chair. Mr. North, hon. auditor, presented the balance-sheet, which was adopted. Mr. Stuckey was then elected *President*. Messrs. H. Pearson and C. Burnett *Vice-Presidents*, and Mr. North *Auditor*. Mr. Rolfe was re-elected *Secretary* for the ninth year in succession.

Sheffield.—At a recent meeting of the Sheffield Pharmaceutical and Chemical Society, Mr. E. Preston was re-elected *President*; Messrs. H. Bown and A. Knowles *Vice-Presidents*; Mr. H. Antcliffe, *Treasurer*; Mr. H. B. Hammond, *Secretary*; Messrs. G. R. Airey and S. Furnival, *Auditors*; and Mr. Gregory, *Librarian*.

Torquay.—The annual meeting of the Torquay Pharmacists' Association was held on July 15, at which the President, Mr. J. Taylor, proposed a vote of sympathy and condolence with Mr. March in his recent bereavement. The Executive's report and financial statement were received and adopted; donations were made to the Benevolent and Orphan Funds of the Pharmaceutical Society, and also to the funds of the Devon County Association. The President, treasurer, and secretary all expressed a wish to retire, but ultimately consented to retain their respective offices for another session. It was decided to hold a special meeting for further discussion of matters of trade interest.

SEVERAL members of Conference spent the week-end the Isle of Man. Mr. Herbert Skinner, who had visited the island on many previous occasions, piloted the party to the places of interest, including Douglas, Castletown and Port Erin and Snaefel.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Blackburn.—On July 15 the Blackburn Royal Infirmary wrote to the Insurance Committee that the fee of the pathologist at the infirmary for preparing an auto-immune vaccine would be 2*l.* 2*s.* These terms were accepted, the cost to be charged to the Drug Fund.

London.—A meeting of the London Pharmaceutical Committee was held on July 14, Mr. A. J. Wing (chairman) presiding. The present members of the Pharmaceutical Committee were reappointed. Letters were received from the Ministry of Pensions and the Local Associations Executive regarding malaria clinics, and it was agreed that chemists should be given an opportunity of dispensing prescriptions for the tropical disease clinics on Insurance dispensing terms. The margin of error in pricing was 0.14*d.*, and the Committee agreed to continue the contract with the Checking Bureau for the checking of prescriptions to the end of 1920. The number of prescriptions dispensed during April was 399,890, the total cost being 15,784*l.* 9*s.* 6*d.* The average cost per prescription was 9.47*d.* For the first quarter of the year the average cost per prescription was 9.25*d.* (cost of ingredients 4.26*d.*, and dispensing-fee 4.99*d.*). The secretary also gave particulars regarding alleged inadequacy of the pharmaceutical service in Southwark and on certain regularities in prescribing. During May there were five additions and seven resignations from the panel list of chemists. The Special Sub-Committee on Insurance Terms submitted an interim report, which was formally adopted. A meeting of the Insurance Committee was held on July 22, at which the reports of the various sub-committees were considered. The following is taken from the agenda: The Finance Sub-Committee recommended payment of accounts amounting to 252,720*l.* 9*s.* 9*d.* This included payments to chemists for the medical years 19 and 1920 of 15,784*l.* 9*s.* 7*d.*, and for dispensaries under the Sanatorium Benefit Fund of 987*l.* 10*s.* The Medical Benefit Sub-Committee reported that five additional names had been included in the list of persons supplying drugs and appliances, while three had resigned from the panel. The number of persons supplying drugs and appliances on June 30 was constituted as follows: Chemists in general business, 658; in institutions, 38; other persons, 24. A report on the result of the rota established for the dispensing of urgent prescriptions in Battersea and New Cross showed that in thirty weeks 7 "urgent" prescriptions were dispensed in Battersea, fifty-five of which emanated from the doctor who had complained in the first instance. In New Cross twelve chemists did rota service for three months, two of whom did not dispense a single "urgent" prescription in the period. The Committee will decide whether the arrangements shall be continued during the coming winter. Advance payment to chemists was recommended to be increased from 6*d.* to 8*d.* per script. Two complaints against chemists reported on by the Pharmaceutical Service Sub-Committee were not substantiated, and a third referred to difficulty in obtaining amyl-nitrite capsules; as the chemists have intimated their willingness to comply with any requirement in future, no action was taken in the matter.

Manchester.—Notices recently issued by the Manchester Insurance Committee, showing alterations to Medical Lists, contain three additions to the list of panel chemists and four deletions.

Middlesex.—At a meeting of the Pharmaceutical Committee, held on July 14, the officers and members of sub-committees were formally reappointed. The secretary was instructed to write to the Pharmaceutical Society, emphasising the previous demands of the Committee that there should be an average dispensing-fee of not less

than 6*d.* The report of the checking department included the following statistics:

	Prescriptions	Average
April, 1920...	83,005	10 <i>d.</i>
May, 1920 ...	79,883	10 <i>d.</i>

Prescriptions marked "Urgent" during the first quarter of 1920 numbered 326, and the amount paid for "Urgent" fees was 6*l.* 18*s.* Minimum statistical data for 1919 and the first quarter of 1920 showed the following averages:

1919. Ingredient price, 4.1 <i>d.</i>	Dispensing-fee, 3.8 <i>d.</i>
1920. " " 4.6 <i>d.</i>	" " 5 <i>d.</i>

Re-assessment of prices showed that the ratio for 1919 was 92.86, therefore an addition to the 1919 payments of 7.7 per cent. would have been required to bring them up to the 1915 level.

Northamptonshire.—At a meeting of the Insurance Committee the Medical Sub-Committee reported that they had reconsidered the question of dispensing in semi-rural areas, and recommended, where a doctor and chemist lived in the same town, the doctor's rural patients should be given the option of procuring medicine from either. The recommendation was adopted.

Sheffield.—A meeting of the Pharmaceutical Committee was held on July 16; Mr. J. T. Appleton presided. It was decided on an application from a firm of panel chemists for an alteration of hours, that alterations during the year are not desirable. The secretary presented January and February reports on the checking of prescriptions, and any account showing an adjustment to be necessary will be forwarded to the chemist concerned for his information. The secretary reported that the pricing for the area is regarded as very satisfactory. The Minister of Pensions asked for accounts for dispensing to be sent to Cedars Road, London, instead of Leeds. The secretary was instructed to forward information to London of any new items which have arisen in establishment expenses since January. The report and balance sheet for the year was accepted and ordered to be printed. As certain chemists were exhibiting cards in doctors' surgeries showing their hours of business, and thus leading patients to believe that they were the chemists allotted to the particular doctor for dispensing; chemists are to be asked not to continue the practice. It was decided to ask the Clerk to the Insurance Committee, when an application is made from a chemist during the year to be placed on the panel, that the name of the person or firm be submitted to the Pharmaceutical Committee prior to being placed on the list. Messrs. J. T. Appleton, J. A. Johnson, and E. Preston were appointed as members of the Pharmaceutical Service Sub-Committee.

Smethwick.—At a meeting of the Insurance Committee held on July 27 the Medical Benefit Sub-Committee reported that a copy of the balance sheet prepared by the Cornwall Works Dispensary for 1919 was submitted to the Ministry of Health, who authorised the Committee to pay to the Institution the sum of 13*s.* per head per annum, a margin of 10 per cent. to be retained until the actual expenditure of the Institution for the year is ascertained. The secretary of the Pharmaceutical Committee requested that the Committee should reconsider the question of the necessity for one chemist in each district to be open until 8.30 p.m. on Monday evenings, in view of the experience of chemists, which was that, on an average, only one prescription was dispensed. The Sub-Committee recommended that the arrangement for extended hours on Monday evenings shall be suspended until October 4, unless the Panel Committee, to whom the matter has been submitted, produce evidence of the necessity for the continuance of the arrangement. Accounts, amounting to 1*l.* 14*s.* 4*d.*, for the supply of vaccines to insured persons by a doctor were approved and recommended for payment after submission to the Panel Committee for scrutiny. The Finance and General Purposes Sub-Committee reported that cheques have been issued in respect of the following accounts: Payments to chemists (April balances, May advances), 254*l.* 6*s.* 9*d.*; payments to

chemists (May balances, June advances), 246*l.* 0*s.* 1*d.*; Pharmaceutical Committee administration, 13*l.* 10*s.*; payment to a doctor for vaccines amounted to 9*l.* 18*s.* 6*d.*; the Drug Fund expenditure for the year up to July 22 amounted to 1,526*l.* 19*s.* 5*d.*

Spalding.—The Holland Insurance Committee, at a recent meeting at Spalding, resolved that a double dispensing-fee shall be payable for "urgent" prescriptions, each one to bear on the back of the form the time of dispensing and the signature of the chemist.

Walsall.—At a recent meeting of the Insurance Committee Mr. R. Jones reported that the disbursements last year for medical benefits, drugs, etc., amounted to 21,220*l.*, and this year the total was likely to be about 25,000*l.*

Worthing.—At a recent meeting of the West Sussex Insurance Committee, a presentation was made to Mr. S. S. Marshall, Barnham, who had acted during the period that the Committee had been without a clerk; and Mr. Frost, chemist and druggist, on behalf of the chemists, expressed their gratitude to Mr. Marshall for his work during a trying period.

York.—At a meeting of the North Riding of Yorks Insurance Committee, held on July 10, the Medical Benefits Sub-Committee reported that the number of prescriptions issued by practitioners in 1919 was 125,494, at a total cost of 1,110,294*d.* The cost of ingredients was 649,653*d.*, and the dispensing-fees 460,641*d.* The average ingredient price per prescription was 5.18*d.*, and the average dispensing-fee per prescription 3.67*d.*, making a total average cost per prescription 8.85*d.*

SCOTLAND

Aberdeen.—The responsibility of chemists for the clerical errors of doctors was the subject of an important discussion at a recent meeting of the Aberdeen Burgh Insurance Committee. A communication was submitted to the Finance and Medical Benefit Committee from the Pharmaceutical Society protesting against disallowing prescriptions which had only the initials of the doctors or from which the Christian names of the patients were omitted. The clerk was instructed to communicate with the Central Checking Bureau, intimating that the Committee proposed not to disallow initialled prescriptions for a period of three months. The Pharmaceutical Society undertook that during that time they would ascertain the names of the doctors who persisted in initialling their prescriptions. Afterwards a resolution was passed suggesting that the Board of Health should be requested to formulate a regulation whereby the penalty should be transferred to the proper quarter—namely, the panel practitioner who makes the error. Mr. R. W. Wishart remarked that it was a matter which might be charged against the Emergency Fund.

Ayrshire.—At a meeting of the Insurance Committee held on July 10, the Committee noted the terms of service for practitioners in the first schedule of the Medical Benefit Regulations, so far as these relate to consultations in premises occupied by chemists, in which it is stated that accommodation shall not, except with the consent of the Committee or on appeal of the Board, be in premises occupied by a chemist. Before making any recommendation, the Sub-Committee desired the opinion of the Panel and Pharmaceutical Committees. The Chairman of the Finance Committee said that the cost of drugs, including the chemists' dispensing-fees, would require to be very carefully watched. The cost per form in March 1919 was 11.62*d.* In March 1920 the cost was 16.45*d.* There was no desire on the part of the Committee to restrict the use of drugs, but the cost varied so much among the doctors. Some were well under 2*s.* per person, while others exceeded that sum. If the existing cost continued, the Committee's drug fund might be inadequate, and unless steps were taken to deal with extravagant prescribing, a grant to make up any deficiency would probably be refused.

July Drug Tariffs.

The following are the alterations for July in the drug tariff for England and Wales issued by the Ministry of Health:

Lower.—Acid. citric. pulv., 7*s.* 9*d.* lb.; acid. salicylic, 5*s.* 6*d.* lb.; anthem. flor. exot., 2*s.* 8*d.* lb.; barbitonum, 3*s.* oz.; calc. lact., 10*s.* 6*d.* lb.; camphora (flowers), 16*s.* 9*d.* lb.; chloroform camph., B.P.C., 18*s.* lb.; emul. ol. morrh. c. hypoph., B.P.C., 3*s.* 10*d.* lb.; ext. glycyrrh. liq., 6*s.* 2*d.* lb.; hydrargyrum c. creta, 4*s.* 8*d.* lb.; lin. camph., 6*s.* 4*d.* lb.; lin. camph. am. meth., 5*s.* 6*d.* lb.; lin. hydrarg., 8*s.* lb.; lin. methyl. sal. co., B.P.C., 14*s.* 9*d.* lb.; lin. terebinthina, 4*s.* lb.; lin. tereb. acet., 4*s.* 9*d.* lb.; menthol, 4*s.* oz.; ol. abietis, 2*s.* 9*d.* oz.; ol. anisi, 7*d.* oz.; ol. caryoph., 26*s.* 6*d.* lb.; ol. lini, 12*s.* 4*d.* gal.; ol. menth. pip. (re-distilled), 66*s.* lb.; ol. ricini, 1*s.* 5*d.* lb.; ol. tereb. rectific., 3*s.* 6*d.* lb.; phenacetin, 1*s.* 11*d.* oz.; pot. brom., 4*s.* 9*d.* lb.; sacc. lact., 2*s.* 9*d.* lb.; salol, 9*d.* oz.; sodii et pot. tart., 2*s.* 10*d.* lb.; sulphonal, 5*s.* 6*d.* oz.; syr. glycerophosph. co., B.P.C., 4*s.* lb.; theobrom. et sod. salicyl., 3*s.* oz.; tr. benzoini co., 8*s.* lb.; tr. chlorof. et morph., '85, 4*s.* 9*d.* lb.; ung. bellad., 1*s.* 5*d.* oz.; ung. hyd. co., 8*s.* 6*d.* lb.

Higher.—Acid. tannic, 15*s.* 3*d.* lb.; ammon. ichthyosulph., 5*d.* oz.; amyllum (maize), 9*d.* lb.; caffeine, 5*s.* 3*d.* oz.; caffeine cit., 3*s.* 10*d.* oz.; hexamina, 2*s.* 2*d.* oz.; iodoformum, 2*s.* 4*d.* oz.; liq. mag. bicarb., 10*d.* lb.; methyl salicylas, 8*s.* 6*d.* lb.; naphthol, 1*s.* 2*d.* oz.; papav. capsula Ang., 14*s.* 3*d.* per 100; pulv. glycyrrh. co., 2*s.* 4*d.* lb.; pulv. tragac. co., 6*s.* 8*d.* lb.; santalin., 70*s.* oz.; sennae folia, 2*s.* 1*d.* lb.; spt. rectificatus, 22*s.* 3*d.* pint; syr. ferri phosph. co., B.P.C., 2*s.* 2*d.* lb.; syr. ferri phosph. c. quin. et strychn., 3*s.* 7*d.* lb.; syr. hypophosph. co., B.P.C., 3*s.* 1*d.* lb.; tab. acetanilid., gr. iii., 14*d.* doz.; tab. ext. casc. sagr., gr. ii., 12*d.* doz.; tab. naso-pharyngeal co., 41*d.* doz.; ung. hyd. nit., 5*s.* 10*d.* lb.; ung. hyd. nit. dil., 3*s.* 2*d.* lb.

The following are the alterations in the Scottish Drug Tariff for July:

Acid. benzoic, 10*d.* oz.; acid. citric, 8½*d.* oz.; acid. gallic, 1*s.* 7*d.* oz.; acid. salicyl., 6*d.* oz.; acid. tannic, 1*s.* 10*d.* oz.; ammon. ichthyosul. (ichthyol), 7*d.* oz.; anthem. flor., 3*d.* oz.; argent. nit., 11½*d.* dr.; argent. nit. indur., 1*s.* dr.; barbitonum, 4*s.* 2½*d.* oz.; caffeine, 7*s.* 4½*d.* oz.; caff. cit., 5*s.* 4½*d.* oz.; calcii lact., 1*s.* 3*d.* oz.; camphora, 1*s.* 6½*d.* oz.; chloroformum camph. (B.P.C.), 2*s.* 1½*d.* oz.; collodium salicylic comp. (B.P.C.) (corn paint), 1*s.* 2*d.* oz.; emul. olei morrh. c. hypo. (B.P.C.), 4*d.* oz.; ext. glycyrrh. liq., 6½*d.* oz.; hexamina (urotropine), 3*s.* 0½*d.* oz.; hydrarg. oum cret., 5½*d.* oz.; iodoformum, 3*s.* 3½*d.* oz.; lin. camph., 6½*d.* oz.; lin. camph. ammon. meth., 5½*d.* oz.; lin. methyl. sal. co., 1*s.* 3*d.* oz.; lin. terebinth., 4*d.* oz.; lin. terebinth. acet., 5*d.* oz.; menthol, 5*s.* 7½*d.* oz.; naphthol, 1*s.* 8*d.* oz.; ol. anisi, 10*d.* oz.; ol. lini, 1½*d.* oz.; ol. menth. pip., 7*s.* 8½*d.* oz.; ol. ricini, 1½*d.* oz.; ol. terebinth., 2*d.* oz.; papaver. capsul., 3*d.* each, 2*s.* 7*d.* doz.; phenacetin, 2*s.* 8½*d.* oz.; pil. hydrarg. (4 gr.), 10*d.* oz.; potass. brom., 5½*d.* oz.; pulv. tragac. co., 7½*d.* oz.; sacc. lact., 3*d.* oz.; salol, 1*s.* 1*d.* oz.; santalin., 14*s.* dr.; sod. et potass. tart., 3½*d.* oz.; sod. phosph. eff., 7*d.* oz.; sp. rect., 1*s.* 10½*d.* oz.; sulphonal, 7*s.* 8½*d.* oz.; syr. hypophosph. co. (B.P.C.), 4½*d.* oz.; theobromin. et sod. salicyl. (diuretin), 4*s.* 2½*d.* oz.; tinct. benz. co., 8*d.* oz.; ung. hydrarg. co., 9½*d.* oz.; ung. hydrarg. nit., 6½*d.* oz.

Gazette.

Partnership Dissolved.

Moss, J., and STURMAN, A. B., Barlow Row, Middle Hillgate, Stockport, manufacturing chemists, under the style of Albert Moss & Co.

Deed of Arrangement.

Hall, Howard Ephraim, 41 George Street, Luton, chemist and druggist, Trustee: P. S. Booth, 31 Kimberley House, Holborn Viaduct, London, E.C., accountant. Dated June 29; filed July 6. Liabilities, 1,036*l.*; estimated net assets, 930*l.* Among the creditors are: Burgoyne, Burbidges & Co., Ltd., 53*l.*; Barclay & Sons, Ltd., 15*l.*; Evans Sons Lescher & Webb, Ltd., 16*l.*; Idris & Co., Ltd., 18*l.*; International Chemical Co., 15*l.*; Lysol, Ltd., 10*l.*; Potter & Clarke, Ltd., 19*l.*; Pilchers, Ltd., 22*l.*; Suttley & Silverlock, Ltd., 11*l.*; Sangers, 216*l.*; Wright, Layman & Umney, Ltd., 40*l.*; Yardley & Co., Ltd., 19*l.*; Arthur H. Cox & Co., Ltd., 21*l.*; Thomas Kerfoot & Co., Ltd., 18*l.*; Liebig's Extract of Meat Co., 10*l.*

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration. See "The Chemist and Druggist Diary" 1920, p. 308.

(From "The Trade-marks Journal," May 19, 1920.)

- "**THYRUXINE**" and "**THYRUXLEINE**"; for medicinal chemicals (3). "**FIXORA**"; for perfumery, etc. (48). By the Standard Tablet Co., Ltd., Goldstone Chemical Works, Hove, Sussex. 401,017/08; 402/155.
- "**CUPROCOL BRAND COLLOIDAL PREPARATION**," "**SULFOCOL BRAND COLLOIDAL PREPARATION**"; for medicinal chemicals (3). By A. Wander, Ltd., 45 Cowcross Street, London, E.C. 1. 401,603/05.
- "**DAY DAWN**"; for medicinal chemicals (3). By H. Burdall, Anchor Works, Gibraltar Street, Sheffield. 401,907.
- "**HOKA**," with device of bird and Japanese characters; for liquid perfumes (48). By K. Horikoski, 14 Yanagiwaragashi, Kanda-Ku, Tokyo, Japan. 393,479.
- "**IVOROL**"; for goods (48). By Harkness, Beaumont & Co., 6-12 Ballantyne Road, Edinburgh. 397,078. (Associated.)
- "**COREGA**"; for all goods (48). By Corega Chemical Co., 208 St. Clair Avenue, N.W. Cleveland, U.S.A. 397,298.
- "**SHAVINOL**"; for preparations for use before shaving (48). By H. E. Wright, "Arundel," Mall Road, Hammer-smith, London, W.6. 400,168.
- "**STOLEN FLOWERS**"; for perfumes, etc. (48). By Hilda Leyel, Ferry House, Twickenham. 400,338.
- "**VENIOS ORAL-CREAM FOR THE TEETH**" on oblong label ("Oral" disclaimed); for tooth creams (48). By Lutheni & Co., 2 Hormead Road, Paddington, London, W.9. 400,398.
- "**FAIZENE**" across circular device; for tooth preparations (48). By H. and A. H. Stafford-Moass, the Public Rooms, Quay Street, Truro, Cornwall. 400,581.
- Facsimile signatures; for perfumery, etc. (48). By Société Anonyme Ramses, 30 Rue d'Hauteville, Paris. 401,244/245.
- "**LOUISE DE LA VALLIERE**"; for perfumery, etc. (48). By Mabel K. Bonser, 2 Stanhope Gardens, Highgate, N.6. 401,560.

(From "The Trade-marks Journal," May 26, 1920.)

- "**TOGL**" encircled by device of two whips; for a distemper in animals remedy (2). By T. S. Lacy, 71 Duke Street, Grosvenor Square, London, W.1. 401,128.
- B. T. LTD. **RENOWNED PREPARATIONS** "on device of circle and triangle; for goods (2). By T. Bigg, Ltd., 117 Church Street, Deptford, London, S.E.8. 401,313. (Associated.)
- TOPHOSAL** and "**TOPHOSALIT**"; for medicinal chemicals (3). By Farbwerke vorm. Meister, Lucius & Brüning, Hoechst a/Main, Germany. 365,480/1. (Associated.)
- THE LITTLE NURSE FOR LITTLE ILLS**, "with picture of child dressed as nurse; for an external medicine (3). By the Mentholatum Co., 329 High Holborn, London, W.C.1. 396,290.
- PARMOS BRAND PILLS FOR HUMAN USE**"; for pills (3). By D. A. Edwards, Northcote House, Minster Road, London, N.W.2. 398,417.
- LAXU BRAND LAXATIVE MEDICINE**"; for medicinal chemicals (3). "**LAXU**"; for perfumery, etc. (48). By W. B. Cartwright, Ltd., Mount Vernon Road, Rawdon, near Leeds. 399,568/9. (Associated.)
- ANTRUSEL BRAND A MEDICINAL PREPARATION**, "**FINKWIK BRAND A MEDICINAL PREPARATION**"; for medicines (3). By G. M. Horn, Ivylands, The Plains, Epping, Essex. 399,816/7.
- DENTOZONE** and letter "D," etc., on oblong label ("Dentozone" and "D" disclaimed); for an antiseptic cream for the teeth (3). By Medical and General Specialities Co., 11 St. James' Road, Wandsworth Common, London, S.W.17. 399,901.
- DACCOL** "on picture of elephant with castle on back; for medicinal chemicals (3). By Drug and Chemical Corporation, Ltd., 20 Lawrence Lane, London, E.C.2. 400,418.
- BEZ-REM BRAND OINTMENT**"; for ointment (3). By Bessie Rumball, 87 Plane Street, Kingston-upon-Hull. 401,258.
- EUROLEN BRAND A MEDICINAL PREPARATION**"; for a gout remedy (3). By Howards & Sons, Ltd., Uphall Road, Ilford, near London. 401,233.
- ROX-ORA BRAND OINTMENT**"; for an ointment (3). By P. Merrick, 13 High Street, New Whittington, Chesterfield. 401,623.
- WIN-FERRO**"; for medicated wine (3). By Lamb & Watt, Ltd., 48 St. Anne Street, Liverpool. 401,813. (Associated.)

- "**PEATORE BRAND A MEDICINAL POWDER**"; for a medicinal powder (3). By Rymers Peat Extract Co., 102 Grafton Street, Dublin. 401,911.
- "**DELMA**"; for face creams (48). By W. H. Harrison, 35 Wilbraham Road, Chorlton-cum-Mardy. 399,832.
- "**ROZUP THOMAS HARDY'S HAIR TONIC**" and device; for a hair tonic (48). By T. Hardy, 38 Morland Road, Walthamstow, London, E.17. 401,492.
- "**TRESCAL**"; for a hair lotion (48). By J. J. McKenna, 10 Onslow Place, South Kensington, London, S.W.7. 401,901.
- "**FLEUREECE**" under device; for perfumery, etc. (48). By F. C. Armstrong, Bonnington Works, Heavitree, Exeter. 402,000.
- "**LE SOUVIREE DU PRINCE**"; for all goods (48). By Société Anonyme des Parfums D'Arys, 107 Boulevard de la Mission Marchand, Courbevoie (Seine), France. 402,125.

(From "The Trade-marks Journal," June 2, 1920.)

- "**MONAL**"; for photographic chemicals (1). By the Portsmouth Photo Co., Ltd., 8 Arundel Street, Portsmouth. 399,892.
- "**C-Ox**" on picture of sea ox, "**C-CL**" on picture of seal ("C-Ox" and "C-CL" disclaimed); for chemicals (2). By the Nu-Bark Co., 7 Denman Street, London, S.E.1. 401,522/523. (Associated.)
- "**REXOL**"; for chemicals (2). By Burrell & Co., Ltd., 40 Trinity Square, London, E.C.3. 402,220. (Associated.)
- "**CALCIPYRIN**"; for a medicine (3). By Farbwerke vorm. Meister, Lucius & Brüning, Hoechst a/Main, Germany. 349,031.
- "**VANDOL**" BRAND OINTMENT; for a skin disease ointment (3). By T. A. and J. C. Evans, and B. W. S. Palmer, 32 Binden Road, London, W.12. 399,594.
- "**MUSTACAMPH BRAND AN EMBROCATION**," "**TORTOISESHELL**," "**CELLULAX BRAND APERIENT MEDICINE**," "**HYPOD BRAND MEDICATED TABLETS**"; for medicinal chemicals (3). By Boots Pure Drug Co., Ltd., 37 Station Street, Nottingham. 401,246/247/661/663.
- "**THINULENE**"; for all goods (3). By T. Sewell, 37 Berners Street, London, W.1. 401,588.
- "**APHELIS BRAND OINTMENT**," "**EULENINE BRAND OINTMENT**"; for medicinal chemicals (3). By A. Wander, Ltd., 45 Cowcross Street, London, E.C.1. 402,222/223.
- "**JOHN PEEL MEDICINAL EMBROCATION**," with picture of football players; for medicinal embrocation (3). By T. Bigg, Ltd., 117 Church Street, Deptford, S.E.8. 402,509.
- "**CHALLGON BRAND OINTMENT**"; for ointment (3). By J. Grant, 81 Jamaica Street, Glasgow. 402,332.
- "**CLEAVER**" under device of shield and armour headpiece; for goods (47) and for perfumery, etc. (48). By F. S. Cleaver & Sons, Ltd., Gould Road, Twickenham, Middlesex. 401,568/569. (Associated.)
- "**CHINTA HATI**" and device for perfumery, etc. (48). By Yardley & Co., Ltd., 105 Carpenter's Road, Stratford, E.15. 399,156. (Associated.)
- "**RAWLINZA**"; for perfumery, etc. (48). By W. J. Rawlins, 30 Market Street, Wolverhampton. 411,849.
- "**PAN-ZENN**" on diamond-shaped device; for perfumery, etc. (48). By the Nuxate Laboratories, 68 Bolsover Street, London, W.1. 401,884. (Associated.)

(From "The Trade-marks Journal," June 9, 1920.)

- "**VIT-VIT**"; for vermin destroyers (2). By C. G. Gillespie and L. A. Campbell, 172 Cumberland Street, South Side, Glasgow. 401,519.
- "**VEGERITE**"; for a fertiliser for vegetables (2). By Prentice Brothers, Ltd., Stowmarket, Suffolk. 401,783.
- "**VERMIGO**"; for poultry vermicides, etc. (2). By H. Baker & Co., 9 Oban Street, Ipswich. 402,015.
- "**HIGH COURT**"; for medicinal chemicals (3). By the Elenco Chemical Co., Christchurch Road, Merton Abbey, London, S.W.19. 395,465. (Associated.)
- "**LIVIT**"; for all goods (3). By J. F. Saunders, 23 Uplands Crescent, Swansea. 400,588.
- "**LACTOLAX**"; for medicinal chemicals (3). By J. Morgan Richards & Sons, Ltd., 46-47 Holborn Viaduct, London, E.C.1. 401,221.
- "**BASOL BRAND A LIQUID SULPHUR COMPOUND**"; for a medicine (3). By H. Heaney, 7 Oban Tee, Felling-on-Tyne. 401,306.
- "**H H O**" forming device; for an ointment (3). By H. Hall, 18 Burnley Road, Dollis Hill, London, N.W.10. 401,924.
- "**LETHENTINE BRAND MEDICINAL PREPARATIONS**"; for an internal medicine (3). By Harkness, Beaumont & Co., 6-12 Ballantyne Road, Edinburgh. 402,523.
- Egyptian symbolic device; for medicinal chemicals (3) and for paper, etc. (39). By H. S. Wel'come, 25-27 Endsleigh Gardens, London, N.W.1. 402,562/3. (Associated.)

Trade Report.

42 Cannon Street, E.C. 4, July 29.

ALTHOUGH there is no tangible improvement in the Mincing Lane produce markets, the feeling is more hopeful that business will improve after the holidays. Much depends, however, on the Polish problem, the successful elucidation of which, together with the resumption of trade in Russia, would do much to restore confidence in business circles. In view of the holidays and depressed trade, the monthly drug-auction was postponed this week. The general tendency of prices continues downwards, with considerable irregularity in values. Gentian, calumba, galls, liquorice-root, and rhubarb are offered at slight reductions. Spanish ergot continues very irregular, but the low offers are looked upon with suspicion, as business has failed to materialise. There have been lower offers from the United States of drugs such as Mexican sarsaparilla, jalap, senega, mandrake-root, buckthorn-bark, and balsam Peru. The lower rates were, however, partly nullified by the fact that sterling in New York is less favourable again. Fenugreek and dill seeds are rather dearer; cumin and canary are steady. Menthol has sold more freely to consumers in small lots at improving prices; camphor is slow. Business in spices continues dull, black pepper remaining unchanged, but white has a firmer tendency. Penang and Singapore nutmegs have been sold more freely of late, and West Indian are scarce. Ginger is quiet, and lower prices would be accepted for wormy parcels, but sound Cochin realises full rates. Zanzibar cloves continue to decline, but they are still much higher than pre-war rates. Pimento continues easy, but with very heavy stocks sales are only retail. Trading in pharmaceutical chemicals continues at a low ebb, with a decided downward trend, easier prices having been current for amidopyrin, bromides, cocaine, phenazone, phenolphthalein, sulphonal, and oxalic acid.

Higher	Firmer	Easier	Lower
Albumen	Dill-seed	Acetanilide	Amidopyrin
Benzols	Farina (Jp.)	Cassia lignea	Ammon.
Egg-products	Formaldehyde	Cinnamon	bromide
Fenugreek-seed	(forward)	Citronella oils	Castor oil
Menthol	Pepper (white	Cloves (Zan.)	Citrates
Shellac	and black)	Copper	Citronella oil
	Wormseed oil	sulphate	(Cey.)
		Galls (Ch. and	Clove oil
		Persian)	Coca-leaves
		Gentian	(Amst. auction)
		Hexamine	Cocaine
		Kola	Ergot
		Lemongrass oil	Lemon oil
		Oxalic acid	Liquorice-root
		Palmarosa oil	Phenazone
		Senega	Phenolphthalein
		Spike oil (Sp.)	Rhubarb
		Sulphonal	Turpentine
		Sulphur	Wood oil
		Terpineol	
		Vanillin	

Cablegram.

NEW YORK, July 28.—Business is quiet. Mexican sarsaparilla has been reduced by 9c. to 39c. per lb. Jalap is cheaper at 60c., and senega is 10c. lower at \$1.50. Mandrake-root has declined to 24c. and buckthorn-bark to 40c. Balsam Peru is 25c. cheaper at \$4.75. Antipyrin (phenazone) is \$1.00 lower at \$4.50, and citric acid has been reduced to 80c. Quicksilver is lower at \$88.00 per flask. Taraxacum-root has advanced to 27c. and serpenty-root to 80c. per lb.

ACETANILIDE is easier at from 3s. 6d. to 3s. 9d. per lb. on the spot.

ALBUMEN is dearer, with spot sales of prime Chinese egg at from 4s. 1d. to 4s. 3d. per lb., and sellers. Sales to arrive include August-October shipment at 4s. 3d. to 4s. 5d. per lb. c.i.f.

ALOES.—The exports from the Union of South Africa during April 1920 amounted to 11,811 lb. (104%), against

41,579 lb. (410%) for the corresponding month of 1919. For the four months ended April 30, 1920, the exports were 182,942 lb. (3,186%), against 496,606 lb. (5,152%) for the corresponding period of 1919.

AMIDOPYRIN.—On a dull market a seller has come forward this week at 43s. per lb., or about 5s. cheaper, but this price is not general.

BROMIDES.—Offers of ammonium have been made at rather lower prices, and for round lots 3s. per lb. will buy. Sodium can also be had at 3s., and potassium at from 2s. 4d. to 2s. 6d. per lb., according to seller and quantity.

BUCHU.—The exports from the Union of South Africa during April 1920 amounted to 11,199 lb. (4,551%), against 4,453 lb. (1,003%) during April 1919. During the four months ending April 1920 the exports were 47,736 lb. (19,536%), against 68,479 lb. (13,856%) for the corresponding period of 1919.

CAMPOR (REFINED) is quiet, with sellers of Japanese 2½-lb. slabs at 7s. per lb. on the spot, and July-September shipment at 6s. 6d. c.i.f.

CANARY-SEED is still slow of sale, but quotations are unaltered at 175s. per quarter for good, and 140s. to 145s. for ordinary Morocco.

CARAWAY-SEED is quietly steady at 37s. 6d. to 40s. per cwt. for ordinary to good Dutch on the spot, and at 25s. for stalky Morocco.

CASCARA SAGRADA is unchanged at from 95s. to 100s. per cwt. on the spot, according to age.

CASTOR OIL.—Sales of B.P. quality have been made at about 69l. to 70l. per ton on the spot in quantity.

CINCHONA.—At the auction of Java pharmaceutical bark held at Amsterdam on June 21, 2,293 packages (1,78 bales and 510 cases) offered, weighing 124,032 kilos., the total quinine sulphate content being 3,311 kilos. Of this quantity, 355 bales and 267 cases, weighing 34,385 kilos with a quinine sulphate content of 845 kilos., sold, the prices paid being from 54½c. to 137c. per half-kilo. C manufacturing bark, 683 bales, weighing 55,507 kilos. and containing the equivalent of 4,297 kilos. quinine were offered by tender on June 23, of which 518 bales, weighing 42,742 kilos., with a quinine content of 3,120 kilos., were disposed of to quinine manufacturers. The first-hand stock at Amsterdam on June 30 amounted to 20,83 packages.

CITRATES.—The makers recently reduced their prices 1 1s. per lb., and now quote: Ferri et ammon. cit., B.P. and sodium citrate at from 4s. 11d. to 5s. 2d. per lb. according to quantity; ferri et ammon. cit., green, 6s. 5 to 6s. 8d.; and potassium citrate, 5s. 8d. to 5s. 11d.

CITRIC ACID continues easy, at from 4s. 11d. to 4l. per lb. on the spot. For September-October shipment 4s. 9d. is quoted ex wharf London.

CLOVES.—Zanzibar have again been easier at from 1s. 2 to 1s. 3d. per lb., as to quality, and for Penang from 2s. 7d. to 2s. 8d. is quoted.

COCAINE.—The reduction of the unit at the Java auction at Amsterdam has brought about an easier feeling, and 33s. per oz. would be accepted for hydrochlor from makers, and slightly less for quantity; pure alkaloid is 38s.

COCA-LEAVES.—At the auction held at Amsterdam July 21, 6,538 packages Java offered, weighing 356, kilos., the total alkaloidal content being 4,900 kilos. this quantity, 1,404 bales and 290 cases, weighing 94, kilos., with a total alkaloidal content of 1,418 kilos., so The average unit was 23.24c., against 37.65c. prices paid ranged from 11c. to 46½c. per kilo. The first-hand stock at Amsterdam on June was 9,763 packages Java and seven packages Peruvian

COD-LIVER OIL.—There appears to have been a amount of buying of Norwegian medicinal oil by consumers of late, in anticipation of the autumn demand as it is thought prices have about touched their low. The United States has also bought a considerable quantity in the Norwegian market for consumption. Agents in London offer finest Lofoten non-freezing oil at 2 per barrel c.i.f. London, and August-September shipment at 300s. per barrel c.i.f. London. No doubt the rise in the Norwegian exchange has induced more buying

om this side. Our Bergen correspondent writes on July 26 that only a small business is being done, but stocks are in firm hands, and speculators will do their utmost to liquidate without too heavy a loss. At the time there has been more inquiry at the parity of 280s. per barrel f.o.b. The exports from Norway up to July 10 amount to 19,264 barrels.

COPPER SULPHATE is inactive at about 43*l*. per ton f.o.b. Liverpool, in casks, for 98 to 99 per cent.

CORIANDER-SEED.—A fairly large quantity of slightly dry Morocco has been sold at 12*s*. to 12*s*. 6*d*. per cwt., and small lots of sound at 16*s*. 6*d*., being unchanged.

CREAM OF TARTAR continues easy at 270*s*. per cwt. for per-cent. powder on the spot.

CUMIN-SEED has been sold at 37*s*. 6*d*. per cwt. for fair quality, Morocco being steady.

DILL-SEED is rather dearer, with sales at 15*s*. to 16*s*. 3*d*. per cwt., according to quality.

EGG-PRODUCTS are firmer on the spot, with higher prices paid for Chinese hen-yolk for August-October shipment, at 80*s*. to 90*s*. per cwt. c.i.f. Spot has been done at from 72*s*. 6*d*. to 75*s*. Dried yolk is 9*d*., sprayed whole egg 1*s*. 9*d*., and native dried whole egg 9*d*. per lb. (buyers) on the spot.

FERRO.—Judging by the very irregular and lower offers made by Spanish exporters, the market there is in a chaotic condition, but it would appear that some of the lower prices circulated are more with the object of breaking the market, and it is doubtful if they lead to business. Offers from prominent exporters have been received at from 15*s*. 3*d*. to 15*s*. 9*d*. per lb. f.o.b. Bilbao, and at these prices business could be done. Meanwhile, until adequate supplies are available on the spot, holders ask 30*s*. per lb. FARINA is slightly firmer, especially forward positions. Japanese No. 1 on the spot has been sold at 27*s*. 6*d*. 28*s*. per cwt.; afloat is quoted at 27*s*.

FENNEL-SEED is in better demand, with business at 6*d*. to 33*s*. per cwt. for East Indian.

FENUGREEK-SEED is dearer, 11*s*. to 12*s*. per cwt. having been paid for fair Morocco on the spot, with 12*s*. 6*d*. offered.

FORMALDEHYDE.—Owing to the strong position of ethyl alcohol and the fall in American exchange, forward shipment from the U.S. is firmer. Spot parcels unchanged at from 335*s*. to 340*s*. per cwt. for 40 per cent.

GALLS.—Chinese are easier, plum-shaped offering at 130*s*. per cwt. on the spot, and to arrive 130*s*. c.i.f.; ordinary shape is 130*s*. spot, and 150*s*. c.i.f. to arrive. Russian are in plentiful supply and somewhat easier, blue ring at 120*s*. to 125*s*. and green at about 100*s*. to 105*s*. per cwt.

GENTIAN is offered at 52*s*. 6*d*. per cwt. on the spot.

GUM ACACIA is quiet, with usual Sudan sorts offered from 70*s*. to 72*s*. per cwt., and cleaned at 75*s*. per cwt. on the spot.

HENNA.—Leaves are offered at 220*s*. per cwt. on the spot.

HEXAMINE has been offered in one quarter at 14*s*. 3*d*. per lb. this week, a reduction of 2*s*. 3*d*. on previous prices, but others maintain the unaltered rates of 16*s*. 6*d*. to 17*s*. per lb.

HONEY meets with a steady trade. Cuban and San Domingo are held at from 70*s*. to 80*s*., Jamaica 80*s*. to 100*s*., Australian at 70*s*., and Californian at 105*s*. per lb.

PECACUANHA.—The continued arrivals leave this market depressed, with Matto Grosso offering at from 15*s*. to 17*s*. 6*d*. per lb., as to quality, and East Indian is at about 17*s*. per lb. Minas and Cartagena are also offered at about 17*s*. per lb.

PAMALA is offered at 8*s*. per lb. on the spot.

PEPPERS is easier in the absence of demand.

PINSEED OIL shows little change on the week, London offering at 78*s*. and Hull at 76*s*. per cwt., naked.

PICQUORICE-ROOT meets with practically no demand, and prices are somewhat lower, natural offering at 55*s*. to 75*s*. 6*d*. and decorticated at 125*s*. per cwt.

PENTHOL.—Consumers appear to have been buying a little more freely of late, but the business is for immediate

requirements only. During the week spot sales of Kobayashi-Suzuki have been made at from 30*s*. to 32*s*. 6*d*. per lb., market closing on Wednesday at the higher figure. The *Kitana Maru* has brought 405 packages from Japan.

MORPHINE.—Makers quote hydrochloride at 15*s*. per oz.

NUX VOMICA.—There is a continued lack of offers for forward shipment; spot values are from 55*s*. to 60*s*. per cwt. for Cochin.

OLIBANUM is quiet, with good pale drop offering at 150*s*. per cwt., middling at 125*s*., good garblings at 90*s*., and siftings at 100*s*.

ORIUM.—The London market is about steady, but only a retail business is passing, the value of Turkey druggists' being from 18*s*. to 20*s*. per lb.

SMYRNA, July 3.—The sales amount to 35 cases (of 160 lb. per case) as follows: Ten cases current qualities, of 9½ per cent. average, at piasters 350 to piasters 1,025 per oke=\$3 to \$3.50 and 17*s*. 6*d*. to 19*s*. per lb. c.i.f.; 25 cases selected manufacturing, of 11½ per cent. average, at piasters 1,050 to piasters 1,075=\$4 to \$4.10 and 19*s*. 6*d*. to 20*s*. 3*d*. per lb. c.i.f. The exchange to-day is piasters 410 per pound sterling for cheque and \$0.98 for one Turkish paper pound. The arrivals (this week we commence the new crop) are 20 cases, against 6 at the same date last year.

SMYRNA, July 10.—The sales this week amount to 15 cases (2,400 lb.), at piasters 1,060 to 1,080 per oke, as to quality, which is equivalent to-day to \$4 to \$4.25 and 19*s*. 6*d*. to 20*s*. 6*d*. per lb. c.i.f. The exchange to-day is piasters 410 per pound sterling for cheque and \$0.97 for one Turkish pound. The arrivals are 20 cases, against 6 at same date last year.

OXALIC ACID is slightly easier, offering at from 2*s*. 5*d*. to 2*s*. 6*d*. per lb.

PEPPER is quiet, with *black* Singapore offering on the spot at 6*d*. per lb., at which sales have been made. To arrive, August-October and October-December has been sold at 6½*d*. c.i.f., sellers quoting 6¾*d*. c.i.f. Lampong is 6½*d*., Tellicherry has been sold at 7½*d*. to 7¾*d*., and Aleppy at 6½*d*. to 7½*d*. per lb. on the spot. *White* Muntok is firmer at 11¾*d*. to 1*s*. spot, which has been paid, and for October-December shipment 11½*d*. to 11¾*d*. c.i.f. has also been paid. *White* Singapore has been sold at 11½*d*. per lb. spot, and August-October shipment is quoted at 10¾*d*. to 11*d*. c.i.f. d.w.

PHENACETIN is slightly cheaper at from 15*s*. to 15*s*. 6*d*. per lb. on the spot, and 14*s*. 6*d*. to come forward.

PHENAZONE has been offered as low as 16*s*. 6*d*. per lb. this week by a merchant house.

PHENOLPHTHALEIN is slightly lower at from 9*s*. 6*d*. to 10*s*. 6*d*. per lb., according to quantity and seller.

PILOCARPINE is steady, nitrate offering at 35*s*. per oz., and hydrochloride at 40*s*.

PIMENTO has been selling in retail at 4*d*. per lb.

POTASH PERMANGANATE is selling at 4*s*. 3*d*. to 4*s*. 6*d*. per lb. on the spot.

POTASH SULPHOGUAIACOLATE is quoted at from 19*s*. 6*d*. to 20*s*. per lb., as to seller.

QUICKSILVER is steady at from 20*l*. 10*s*. to 21*l*. per bottle.

RHUBARB is cheaper, rough round native High Dried offering at 6*s*. 3*d*., Canton at 10*s*. 6*d*., and Shensi at 11*s*. 6*d*. per lb.

SARSAPARILLA.—Red native Jamaica is unchanged at 3*s*. per lb. Lima-Jamaica continues plentiful at about 3*s*. 6*d*., and grey Jamaica has been selling at about 4*s*. 3*d*. to 4*s*. 6*d*. per lb.

SASSAFRAS-BARK is selling at about 2*s*. 10½*d*. per lb. on the spot.

SENEGA.—The high prices have stimulated production, and it is offered much more freely for forward shipment. Spot (London) market is unsettled with sellers at 10*s*. 3*d*. per lb. From New York \$1.25 per lb. is quoted, equal to, say, 6*s*. 6*d*. per lb., and 7*s*. c.i.f. has also been quoted this week.

SHELLAC is firm and rather dearer on balance, the sales including usual standard TN Orange quality at from 660*s*. to 680*s*. per cwt., closing at 675*s*. on Wednesday. AC Garnet cakey is 570*s*., GAL 550*s*., and IG 530*s*. The sales in futures include August at 610*s*. to 600*s*. to 650*s*., and October at 520*s*. to 605*s*. to 590*s*.

SILVER NITRATE.—The price quoted on July 28 is based on a metal price of 56½*d.* as follows: In quantities of 25 oz., 3*s.* 4¾*d.* per oz.; 50 oz., 3*s.* 4¼*d.*; 100 oz., 3*s.* 3¾*d.*; 250 oz., 3*s.* 3½*d.*; 500 oz., 3*s.* 2¾*d.*

SQUILL is slow, with good pale offering at 65*s.* per cwt. down to 42*s.* 6*d.* for ordinary Sicilian.

SULPHONAL is easier at from 45*s.* to 46*s.* per lb. from importers.

SULPHUR meets with a small demand, and prices are easier. Sicilian flowers offer at 25*l.* to 26*l.* per ton, and roll at 24*l.* to 25*l.*, recovered 25*l.*, and best thirds 13*l.* 10*s.* per ton in bags f.o.r. South Wales.

TARTARIC ACID.—The absence of export demand and the offering of re-sale parcels by Japan causes an accumulation of spot stocks, and lower prices are expected. At the moment, crystals or powder offer at 3*s.* 2*d.* per lb., less usual trade discount.

TURPENTINE has shown a rapid decline, American closing at 170*s.* per cwt. on the spot.

WOOD OIL is about 5*s.* per cwt. lower, Hankow offering at 105*s.* and Hong Kong at 102*s.* per cwt.

Essential Oils Market.

In the majority of cases last week's quotations hold good, and it is therefore unnecessary to repeat them. Business is extremely dull, and the few changes that have taken place have been mostly in favour of buyers. The chief interest of the week appears to have centred in gingergrass oil, of which there has been a genuine scarcity. But original pots are still to be had, and prices remain firm. Star anise is practically unchanged, and bergamot is neglected. Caraway and cassia are quiet around the figures previously given. Ceylon citronella is easier, and forward quotations for Java are inclining to a lower level. The exports of Ceylon oil show a considerable improvement to date over the figures for the previous two years. Clove oil is lower, and lemon continues to recede in absence of demand. Lemongrass grass is easier inclined, with spot sellers willing to consider lower offers. Japanese mint is steady. As in the other Sicilian oils, there is little interest taken in orange. Palmarosa in original containers is easier, and patchouli maintains a firmer tendency. Spanish rosemary is weaker, probably as a result of improvement in the rate of exchange. Wormseed oil has a firmer tone, owing, it is stated, to a recent improved demand. Aromatic and synthetic chemicals are not much in request, and prices can be shaded, in most cases, for genuine inquiries.

ANISE (STAR) is steady at 4*s.* per lb. for "Red Ship" brand. To arrive July-September shipment has been offered at 3*s.* 10½*d.* c.i.f.

BERGAMOT.—On spot offers are made about 36*s.* per lb. for 37-38 l.a., but there is practically no business passing.

CARAWAY is unchanged, spot holders offering at 11*s.* per lb. for crude and 12*s.* for rectified. C.i.f. quotations are about 1*s.* per lb. cheaper.

CASSIA is quiet and unchanged at 7*s.* 9*d.* per lb. on spot for 80 to 85 per cent. c.a.

CITRONELLA.—Ceylon is slightly easier on spot, 3*s.* per lb. being quoted from first-hands. Java is unchanged at about 5*s.* 6*d.* for spot, but forward quotations are lower, and 5*s.* per lb. c.i.f. would probably be accepted. The total exports of Ceylon citronella oil from January 1 to June 21 were 501,111 lb. Quantities (lbs.) during the same period in the previous three years were as follows:

1917	1918	1919
589,145	449,984	418,336

CLOVE.—English distillers have reduced their prices to 14*s.* to 15*s.* per lb.

GINGERGRASS.—There appears to be a genuine scarcity of "insoluble" in original pots. From first-hands 21*s.* per lb. would still be accepted, although dealers are now quoting 22*s.* for broken bulk.

LEMON is lower, with offers on spot at 6*s.* to 6*s.* 6*d.* per lb., according to seller. To arrive is given as 6*s.* 10*d.* to 7*s.* per lb. A Palermo advice, dated July 21, states: The market is absolutely unchanged. The demand from abroad is still lacking, and business is consequently at an entire standstill, both buyers and sellers remaining on their own positions, which are so far apart that transactions are practically impossible. As foreign exchange rates have again advanced in favour of foreign buyers this enables us to shade the price previously mentioned.

LEMONGRASS.—There appears to be very little demand, and nominally the price for Cochín is unchanged at 11*d.* to 1*s.*, although a genuine inquiry would probably be met at less. For forward shipment an offer of 7½*d.* c.i.f. might be accepted.

MINT.—Japanese dementholised is steady, Kobayashi-Suzuki offering at 8*s.* 9*d.* and Yazawa at 8*s.* 6*d.* on spot.

ORANGE.—There is little demand, and spot prices are nominally unchanged at 45*s.* per lb. for Sicilian and 40*s.* for West Indian. Spanish is easier on spot at 30*s.* for superfine and 27*s.* 6*d.* for the ordinary grade.

PALMAROSA is lower. Importers quote from 24*s.* to 26*s.* per lb. for spot, according to quality, in original containers.

PATCHOULI.—Only small quantities appear to be available on spot, for which 90*s.* is asked.

WORMSEED has been in fair demand, and sellers in some cases have cleared their stocks at 50*s.* per lb.; the spot quotation is given as 52*s.* 6*d.* to 55*s.*

Aromatic and Synthetic Chemicals.

COUMARIN is quoted at all manner of prices, and there are sellers who have reported business at 32*s.* per lb., although lower prices have been mentioned in some directions. **HELIOTROPINE** is cheaper on spot at 27*s.* to 28*s.* per lb. **IONONE**, 100 per cent., can be bought on spot at about 140*s.* per lb. **MUSK AMBRETTE** is offered at 325*s.* per lb. **TERPINEOL** is unchanged at 6*s.* to 6*s.* 6*d.*, according to seller.

The following are included in this week's arrivals: Amyl salicylate (Holl.), 52*l.*; bromstyrol (Holl.), 192*l.*; geraniol (Holl.), 1,341*l.*; geranyl acetate (Holl.), 50*l.*; heliotropine (Holl.), 48*l.*; methyl anthranilate, 87*l.*; methyl salicylate (U.S.), 103*l.*, (Holl.), 165*l.*

German Chemical and Drug Markets.

One Hamburg wholesale drug-house prefaces its current market report with a request to its clients to inquire what are the actually current prices, as it is impossible to keep pace with the considerable fluctuations. "Compulsory unloading by speculators of the stocks they were able to purchase by means of readily granted bank credits (now that the latter have been withdrawn) is on the increase. Now that foreign countries, particularly England, are willing to make far-reaching concessions as to prices, in consequence of the excessive supplies, rock-bottom prices for drugs have not yet been reached. It is impossible as yet to foretell what effect the negotiations in Spa will have on prices. Small transactions are being made daily, but these are confined to meet urgent demands, and are of a hand-to-mouth character. At the recent London drug auctions an unusually large quantity of goods was offered, while the demand was by no means great, so that the conditions prevailing there practically present the same picture as in Germany, possibly in an even more accentuated form. In spite of the unhappy economic condition prevailing in Germany the Imperial Bank has not found it necessary to raise the bank rate, and this is due to the fact that money is plentiful. There will be an appreciable scarcity of money as soon as the enormous taxes have been paid, and this is a burden of which most Germans have no proper conception. There is scarcely any likelihood of a repetition of the wild speculation such as the first quarter of 1920 witnessed, and it is to be hoped that the present period of lack of business may prove the forerunner of general improvement in trade. As soon as commerce has succeeded in shaking itself clear of the sequels of the war and revolution, it is to be hoped that the drug and chemical trade will slowly resume its proper place, thanks to the perseverance and ability of the German merchant." The report of another Hamburg wholesale house introduces its quotations with the following remarks: "Our enemies have for the first time invited us to take part as 'equals' in oral negotiations in peaceful Spa, which nature has destined for those seeking rest and health. As people seeking recovery, we have accepted the invitation, but the diplomat doctors in Spa have not treated us in a conciliatory spirit. Europe and the world—the latter regarded as a body-sick, and this body is doomed to a languishing sickness. Indispensable members are condemned to an unbearable and unnatural restraint, to be stunted, and from lastir open wounds. Natural laws and the possibilities limited by nature are disregarded, and actual facts are overlooked. Europe is in the grip of a state of exhaustion and restlessness, and neither victor nor vanquished have shown any inclination to attempt to cure this condition. In no count has the question of dealing with the problem of social unrest been firmly and properly tackled, and it still remains to be solved. The world is in need of an international way of reason and common sense. German economic life has been shaken to the bases of its principal supports—for supply, industry, transport, and order. For Germany the upheaval is possibly not a passing phase, as with other nations, but is likely to prove lasting, in consequence of some of the impossible results of Versailles and Spa. The drug and chemical trade is equally sick, and cries for recovery. There are no means of fixing prices; excess

supplies are on offer from all countries, the purchasing power of the German people is almost nil, exports have been reduced to vanishing point, which some people have endeavoured to promote in a criminal way by means of forged export licences. And in the midst of all these troubles comes a further ominous factor—the impending collection of the new taxes." The following quotations are in marks, per kilo., on the understanding that the goods are purchased in original packages; for breaking bulk an extra charge is levied:

ACETANILIDE.—Makers ask m.100, whereas for a time it was obtainable in Hamburg for less than m.30, and is now offered at m.35. In view of the great difference between its quotation and the factory price a further increase is likely.

ACETIC ACID (80 per cent.).—Large transactions have taken place at m.15.

ACETYL SALICYLIC ACID is firm at m.75.

AMMONIUM BROMIDE has followed the fall in the price of potassium bromide, and fetches m.50.

ANTIPYRIN has weakened considerably to m.275.

ASPIRIN (genuine).—Very little demand for powder at m.300. On the other hand, aspirin tablets are in demand by foreign buyers, and m.5 is paid for glass tubes and m.4 for cardboard containers.

BENZALDEHYDE, almost free from chlorine for foodstuffs, in better supply, and decreased demand has reduced the price to m.100.

BENZOIC ACID is worthy of attention at m.60.

CAFFEINE (pure).—Home and foreign orders have depleted the small stocks available, and it is now firmer at m.800. Caffeine sodio-benzoate and caffeine sodio-lactate are quoted at m.500.

CAMPHOR.—Refined powder has further weakened to m.180; it is in regular request in small amounts only.

CITRIC ACID.—Owing to compulsory unloading, and not for other reasons, the price has weakened to m.110.

COUMARIN has had a sharp drop to m.450.

CREAM OF TARTAR (99/100 per cent.) has further weakened to m.40. In spite of the shortage of supplies the demand is unsatisfactory.

ERGOT is in large demand, but stocks are very limited; it is firm at m.400.

GLYCERIN remains firm at m.32; supplies are scarce.

HELIOTROPINE has further weakened to m.550, although supplies are scarce.

HEXAMETHYLENETETRAMINE is quoted m.215, and is in large demand by foreign buyers; export licences, however, are very granted.

HYDROQUINONE cannot be produced by the makers at the present price of m.120 at which it is being sold by dealers, and for this reason is being bought up by manufacturers.

JALAP.—Ordinary root fetches m.60.

MENTHOL has weakened to m.900 for crystals.

MILK-SUGAR can now be supplied at m.37.

OXALIC ACID is cheaper at m.27.

PHENACETIN.—There is still a wide margin between the market price and manufacturers' quotations, and it is still obtainable at m.240.

PHENOLPHTHALEIN is obtainable at m.85, while the factory price is m.185.

POTASSIUM BROMIDE has been exported freely. Granular fetches m.35; crystals are difficult to obtain, and not under m.37.

POTASSIUM PERMANGANATE, in spite of being in fair demand by foreign buyers, has weakened to m.75, and this price deserves attention.

POTASSIUM SULPHOGUAIACOLATE has declined to m.250, at which price it is worth attention.

QUININE was in large demand at the cheaper price of m.175. It is in request by foreign buyers.

RESORCIN.—Ph. Germ. V. quality is quoted at m.300 and factory technical quality m.230, which is below factory prices.

SENEGAL is firm at m.245.

SODIUM BENZOATE is obtainable far below factory price m.45 owing to compulsory unloading.

SODIUM BROMIDE has recently been sold for export at m.55.

SODIUM SALICYLATE is very scarce at m.60.

SULPHONAL has dropped enormously to m.400.

TARTARIC ACID.—The demand has increased, although only in small quantities are being ordered. Granular and powder is m.57, crystals m.60, as manufacturers' supplies are scarce.

TANILLIN (100 per cent. chemically pure).—The falling tendency, which meant a loss to those holding a stock, is now likely to change.

VERONAL is offered at the reduced figure of m.450. A non-substitute has weakened to m.400.

Arrivals of Drugs, Chemicals, etc.

The following products have arrived at the ports named:

London

(July 6 to 19).

Casein (Aust.), 320 bgs.
Chemical products, etc.: (Holl.) 37 pkgs., (Germ.) 15 pkgs.
Acetic acid, (U.S.) 275 brls., (Holl.) 6 cks.
Ammon sulph. (Can.), 1,000 bgs.
Argol, (Fr.) 750 bgs., (Sic.) 200 bgs., (It.) 28 cks., (Sp.) 110 cks., (Port.) 334 bgs.
Arsenic (Port.), 169 cks.
Barytes, (Belg.) 1,150 bgs., 1,200 sks., (Holl.) 40 cks., (Germ.) 50 cs.
Bromide, potash (Germ.), 136 pkgs., 10 cks.
Calc. borate (S. Amer.), 3,312 bgs.
Calc. tart., (Sp.) 458 bgs., (Fr.) 105 bgs.
Citric acid (Germ.), 20 brls.
Cream of tartar, (U.S.) 220 pkgs., (Fr.) 130 brls., (Sp.) 60 brls.
Formaldehyde (U.S.), 129 brls.
Fusel oil (Aust.), 53 drms.
Hydroquinone (Fr.), 60 cks.
Magnes. carb. (Germ.), 60 bgs.
Magnes. chlor. (Holl.) 137 brls.
Manganese diox. (Swe.), 30 bgs.
Mercury (Sp.), 4,000 fl.
Methyl alcohol (Swe.), 10 cks.
Milk-sugar, (U.S.) 112 brls., 100 cs., (Holl.) 100 cs.
Naphthol (U.S.), 61 brls.
Oxalic (Holl.), 62 cks.
Paraldehyde (Holl.), 30 demij.
Pot. caustic (Holl.), 148 drms.
Pot. chlorate (Belg.), 20 cks., 100 bgs.
Potash chloride (Antw.), 50 bgs.
Pot. permang. (Germ.), 6 drms.
Pot. prussiate (Holl.), 12 cks.
Salicylates (N.S.), 143 brls.
Saltpetre (E.I.), 5,200 bgs.
Silver nitrate (Holl.), 3 cs.
Soda bichrom. (U.S.), 176 brls., 99 cks.
Soda caustic (Holl.), 8 cks.
Soda chlorate (Fr.), 240 cks.
Soda hyposulph. (N.Y.), 706 kgs., 100 cks.
Soda nit. (Norw.) 1,000 cks.
Tannic acid (Can.), 11 brls.
Tartar, (Sic.) 34 cks., (It.) 102 brls., (Sp.) 1,619 bgs.
Tartaric acid (Holl.), 20 brls.
Thorium nitrate (Can.), 30 cs.
Uranium salts (Fr.), 20 bgs.
Vermilion (Ch.), 10 cs.
Wine lees (Sp.), 934 bgs.
Zinc oxide, (U.S.) 820 brls., (Belg.) 200 brls.
Drugs, crude, etc.: (N.Y.) 84 cs.; leaves, 115 bls.
Aloes (Cape), 108 cs.
Belladonna (Sp.), 16 bgs.
Benzoin (Sp.), 68 cs.
Camphor (Ch.), 190 cs.
Cantharides (Ch.), 100 cs.
Cardamoms (Cey.), 53 cs.
Cinchona, (N.Y.) 223 bls., (E.I.) 100 bgs., (S. Amer.) 20 bls.
Dragon's-blood (Straits), 10 cs.
Galls (Ch.), 398 cs.
Gentian (Fr.), 119 bls.
Henna (P. Said), 11 bls.
Ipecacuanha (Rio), 40 bls.
Liquorice-root, (Fr.) 3 bls., (Sp.) 10 pkgs.
Menthol (Jp.), 100 cs.
Nux vomica (Fr.), 37 bgs.
Olibanum (E.I.), 147 cs.
Opium (Smyr.), 10 cs.
Papain (Cey.), 8 pkgs.
Patchouli-leaves (Penang), 25 bls.
Rhubarb (Ch.), 44 cs.
Sarsaparilla, (U.S.) 10 bls., (Cristobal) 12 bls., (W.I.) 145 bls.
Tamarinds (Antig.), 372 brls.
Turmeric (E.I.), 185 bgs.
Witch-hazel-leaves (U.S.), 8 bls., 36 pkgs.

Glucose (N.Y.), 100 brls.

Gums, resins, etc.: acacia (P. Sudan), 2,274 bgs.; copal, (U.S.) 10 bgs., (Holl.) 93 bskts., 216 pkgs., (S'pore) 536 cs.; cutch (S'pore), 100 bgs., 1,000 bxs.; damar (S'pore) 701 cs.; gambier (S'pore) 37 pkgs.; lac: shell (N.Y.), 500 bgs., 275 pkgs.; seed (E.I.), 18 bgs.; mastic (Holl.), 19 cs.; resin (Fr.), 595 cks.; tragacanth (E.I.), 124 pkgs.; yacca (S. Aust.), 1,356 bgs.
Honey, (Aust.) 118 cs., (S. Amer.) 346 cks.
Isinglass (Holl.), 41 bgs.
Lemon-juice (Sic.), 49 pps.
Lime-juice (Fr.), 590 cs., 12 puns.
Oils, essential: Almond, (Fr.) 10 cs., (Holl.) 3 cs.; bay (U.S.), 6 cs.; bergamot (Sic.), 11 cs.; birch (U.S.), 3 cs.; bois de rose (Fr.), 5 drms.; camphor (Jp.), 100 cs.; caraway (Holl.), 3 cs.; cedarwood (U.S.), 8 drms.; cinnamon, (Seych. Is.) 27 drms., 9 brls., (U.S.), 2 cs., (leaf) (Cey.) 40 cs., (Fr.) 11 drms., (Seych. Is.) 11 drms.; citronella, (Jv.) 4 drms., (E.I.) 16 crts., 8 cs., 12 drms.; clove (Seych. Is.), 1 dr.; eucalypt (U.S.), 4 cs.; eucalyptus (Aust.), 206 cs.; fennel (Fr.), 5 cs.; geranium (Fr.), 8 cs., 2 drms.; gingergrass (Fr.), 3 pots; guaiacwood (U.S.), 1 cs.; juniper (Germ.), 1 cs.; lavender (Fr.), 12 cs., 1 dr.; lemon (It.), 66½ cs.; lemongrass (E.I.), 4 cs.; linaloe (U.S.), 5 cs.; mint (Jp.), 100 cs.; neroli, (Fr.) 1 cs., (It.) 2 cs.; nutmeg (U.S.), 25 cs.; orange (W.I.), 25 cs.; palmarosa (Fr.), 3 pots; peppermint (U.S.), 45 cs.; petitgrain, (Fr.) 2 cs., (Para.) 8 cs.; pine (U.S.), 2 cs.; rose (Fr.), 14 fl.; rosemary (Sp.), 4 drms.; sandalwood (U.S.), 5 cs.; shiu (Jp.), 25 cs.; turpentine (lanz.) 127 brls., 42 cks., (U.S.) 550 brls., (Fr.) 160 cks., 300 brls., (Holl.) 56 brls.; wormseed (U.S.), 1 cs.
Oils, fixed: castor (Rio), 10 cs.; groundnut (Ch.), 5,600 cs.; olive (Fr.), 9 cs., 20 cks.; rape (Jp.), 1,000 cs.; soya (Jp.), 8,500 cs.; tea (Ch.), 74 cks.; wood (Ch.), 200 brls.
Petroleum jelly (U.S.), 120 brls.
Seeds: annatto (W.I.), 105 bgs.; canary, (Holl.) 25 bgs., (Sp.) 135 bgs.; caraway (Holl.), 180 bls.; cotton (Egypt), 4,990 cks.; lin., (E.I.) 21,127 bgs., (S. Amer.) 6,152 bgs., (Finl.) 257 bgs.; soy (Ch.), 50 cs., 100 cks.
Spices: cassia, (Ch.) 100 cs., (Aden), 7 pkgs.; ginger, (E.I.) 400 bskts., (W.I.) 119 bgs.; mace (W.I.), 607 pkgs.; nutmegs (S'pore), 953 cs.; pepper, (Sp.) 30 cs., (S'pore) 437 bgs.; pimento, (W.I.) 148 bgs., (Cey.) 6 bgs.
Wax, paraffin, (U.S.) 4,512 bgs., 1,210 brls., (Holl.) 173 bgs.

Liverpool

(July 3 to 17).

Chemical products, etc.:
Acetic acid (U.S.), 668 brls.; Argol (It.), 255 bgs.
Barytes, (Sp.) 500 bgs., (Belg.) 220 bgs.
Calc. citrate (W.I.), 105 bgs.
Calc. tartrate (Fr.), 119 bgs.
Cream of tartar, (Fr.), 42 cks., (Sp.) 71 pkgs., 124 brls., (Port.) 20 cks.
Formaldehyde (U.S.), 84 brls.



Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Assistants in India.

SIR,—I shall be glad of the space to reply to certain statements made by "Victims" in the *C. & D.* (July 3, p. 94). It is correct as stated that the caste system as between Britishers in business in India and those in banks and mercantile offices is a hateful one. At the same time—I have had twenty-five years of it—I do not think this need keep anyone awake at night. The hours obtaining in Calcutta (except in one solitary instance—your correspondents') are 9 or 9.30 to 5.30 or 6. The expenses as enumerated are mostly grossly exaggerated. The average board and lodging per month need not for the first three years of a man's stay exceed Rs. 150. White suits (good ones) are obtainable for less than Rs. 25 per suit; your correspondent puts the cost at Rs. 80. Thin cloth suits cost one quarter of the amount stated. In any circumstance the charge for clothes is not a recurrent one, but is a first expense and covers three years' residence. The firm I am connected with pay men Rs. 400 per mensem for a start, with yearly increments and passage out and home; and I consider this is quite fair, as it leaves a man, after he has met all possible expenses, a clear Rs. 150 per mensem (at 2s. per rupee). Every man going out to India should have his solicitor here first approve the agreement he is offered. I would invite attention to a curious anomaly in the letter under attention. Why, when your correspondents find things are not what they expected or were given to believe, do they stay? They are precisely the brand that is not wanted in a country where we require the best men, and satisfied ones only.

Yours faithfully,

FRANK ROSS.

Wages in Pharmacy.

SIR,—Regarding "pharmacists'" and "pharmacists' (managing)" minimum rates appearing in the "suggested agreement for stabilising wages," as submitted to the Local Associations Executive, the point raised by your correspondent (*C. & D.*, July 24, p. 110) brings uppermost a question which revolves round some of the most conflicting problems in pharmaceuto-labour economics of to-day. Seeing how many pharmacists are employed by both companies and private proprietors as assistants and dispensers, it is only reasonable, surely, not to restrict the earning capacity of these qualified people to that of the manager of an uneconomic branch shop. On the other hand, to compel proprietors of such branch shops to pay the minimum rates which a fully experienced pharmacist of twenty-eight is entitled to ask is to compel also the closing down of such concerns; and, while agreeing, for one, that such might well happen to these places, yet is the time really ripe just now, in the interests of both employes and employers, to raise such issues? Even as the tables are drawn up now, I consider that 5*l.* is almost too reasonable a minimum for any qualified man, whether twenty-one or seventy-one years old; and, if the private chemist allows the Minor qualification to be evaluated at any figure lower than this, then the Ministry of Health might well view deputations of chemists with wholesome and well-deserved contempt. To my mind, in going carefully over these tables for pharmacists, I think the Drug Union has acted both wisely and well in thus presenting alternative rates, based as they are upon two widely differing principles, for there are conceivable many circumstances in which option is going to facilitate agreement very considerably, until such time as organisation can reduce the present prevailing chaos to something resembling order.

Yours truly,

UNITAS. (25/7.)

About Adsorption and Ipecac.

SIR,—Why do we drink every day eighty million pints of ill-made infusion of *Camellia Theifera*, instead of its active principle scientifically abstracted? Convention, custom, usage, perhaps because our fathers drank it, or because the cook leaves it on the table; or perhaps we have a certain crude instinct for what is best. I do not like that word "adsorption," but Mr. Jensen's paper on adsorption medicines seems to open the most fascinating topic discussed at the B.P.C. That excessive resort to surgery as the only source of cure for bodily ills, combined with the doctrine of therapeutic nihilism which British medicine adsorbed from German sources gave rise, by reaction, to a theory of treatment called "Christian science." In their own sphere pharmacologists have been obsessed with a quasi-medical idea that every vegetable remedy contained an active principle—much as the old schoolmen sought to find in everything an "essence"—or "that which made it what it is." Now chemists have discovered certain alkaloids or activating principles, such as quinine from cinchona, morphine from opium, and others. They also discovered in ipecacuanha root, which has been used successfully during the last hundred years as a remedy for dysentery—an alkaloid called "emetine." Of course there were other alkaloids, but by a peculiar mental process it was decided that as ipecacuanha cured dysentery—then emetine ought to cure dysentery. Anyhow, it was cleaner-looking stuff, it sounded more scientific, and it was easier to give. Then there was a war; *inter alia*, at the Eastern end of the war there were 20,000 cases of dysentery. We had to do something for them, of course, and we gave every man Jack a grain of emetine every day and for many days. When the devil of dysentery refused to depart after the patient had got a few squirts from a hypodermic syringe we called in the pathologist. He told us we were only ravishing the British taxpayer and wasting good emetine by giving it to patients who had bacillary dysentery, as more than two-thirds of the soldiers had. Thereafter the rubric for bacillary patients was a drachm of salts—solemnly administered every hour. This at least gave employment to sisters and orderlies. Possibly we should have done more good by leaving the unfortunate fellows alone, but I cannot honestly say I have known the sixty grains of salts to do much harm. When the pathologist declared the case to be orthodox amoebic dysentery, emetine was given, usually 12 one-grain daily doses, or six doses followed by six of emetine bismuth iodide. This treatment was often fairly successful, but often intractable cysts still remained. Of some 12,000 cases of dysentery sent back to Britain as cured there was practically no relapse in cases labelled "bacillary"—but about 30 per cent. of the amoebic showed cysts after they returned. While in charge of the dysentery ward at a general hospital in Alexandria I noticed that some intractable bacillary cases yielded to emetine, while amoebic cases were not always cured by it. Further observation showed me that there is such a thing as "double dysentery." I found a number of cases in my wards which were formerly diagnosed as "amoebic" had now become bacillary, and more often the latter type afterwards showed to me amoeba. Now, the old Indian Medical Service men did not know the difference between bacillary and amoebic dysentery, neither would I or any other man know without the tests of a laboratory. Nor have I met a pathologist who was prepared to make a definite statement even when the *post-mortem* showed the results. In fact, I beg him to suggest there is no essential difference, and invariably the bacillary is an early, acute febrile stage of what later becomes amoebic dysentery. But how did our I.M.S. man dose his dysentery patient? He gave him a few drachms of castor oil first; when that acted he gave him a small dose of opium, stuck a mustard plaster on the pit of his stomach, and then administered thirty grains of ipecacuanha powder blended in a honey bolus. He kept him in bed and gave him nothing to drink for eight hours. We are a long time getting to the point, but this I.M.S. method was practically the essence of Mr. Jensen's adsorbent method. He wanted ipecacuanha to act on the mucous membrane of the

intestine—slowly, gradually, constantly. He induced an anti-peristalsis with opium, checked vomiting with his mustard-leaf, and gave a slowly soluble powder which reached the large intestine before it was dissolved. Thus the old empirical therapeutics proved in practice better treatment than ours of the present day, in spite of bacteriological and pharmacological research. One obvious reason is that *ipecacuanha* has an anti-spirochætal as well as anti-amœbic action which emetine appears to lack, and hence has no effect even on bacillary dysentery.

Yours truly,

Dublin.

J. C. McWALTER, M.D., F.L.S.

Payment for Insurance Dispensing.

SIR.—The paper on National Health Insurance dispensing read at the British Pharmaceutical Conference (*C. & D.*, July 24, p. 93) is one of the strongest arguments in favour of improved payment for the work that have yet been published. Dispensing balances are supposed to answer to one-tenth of a grain, so that when a discrepancy of 10 to 15 per cent. is allowable, even with such an innocuous drug as sodium bicarbonate, in weighing one drachm there is a margin of from six to nine grains to cover slight inaccuracies. I cannot help thinking that such inaccuracy is the exception and not the rule; it is, of course, admitted that exact scientific weighing is not attainable, but the fact that such latitude of error is readily allowed is a tacit admission that the pharmacist is expected to crowd the work into any odd moment, and is consistently underpaid on that expectation. Of the samples taken in 1916 six were found deficient, but it does not state the total number taken; in 1919 three out of twenty-two, or one in seven, were inaccurate; and in 1920 out of the eight samples taken, the two faulty ones were from the same pharmacist, so that the actual percentage of accuracy shows a distinct and favourable upward rise. The fact that two of the scripts were for 10-grain quinine tablets shows that pharmacists are not the only ones who are liable to errors of judgment, and these instances could be readily amplified by most chemists on the panel. Such prescriptions are not infrequent—e.g., prescriptions for 10-grain aspirin tablets, calcium chloride cachets, lint 36 in. by 36 in., etc., thus showing either ignorance of practical conditions or carelessness in writing out the scripts. If Dr. Addison would devote only one of his many millions in hand to the better payment of panel pharmacists he could have the finest dispensing service in the world, for without wishing to constitute myself the official trumpeter, there is no doubt that most chemists in business are over-conscientious in translating prescriptions, and frequently put themselves to a good deal of trouble and expense to interpret correctly the order of the physician for the best interests of the patient, without hope of being repaid in monetary value.

Yours faithfully,

SEMPRE ESATTO. (26/7.)

Legal Queries.

Jaffa (26/7).—A MONTH'S NOTICE to leave, given either by master or assistant, is the custom of the drug-trade.

Steena (16/7).—A liquid foot-shampoo for "the relief of tired and aching feet" is not by these words rendered liable to medicine-stamp duty.

Premear (19/7).—The title you propose for the mixture does not make the preparation liable to duty unless you claim proprietary rights in the word "Wintereen."

J. B. & S. (19/7).—The title "Corn Silk" renders the article to which it is attached liable to medicine-stamp duty, unless the composition is disclosed on the label or a reference given to the formula in a standard work.

A. D. S. (21/7).—It is not illegal for an unqualified person to become a partner with a qualified chemist, but if the former uses the title or sells poisons he renders himself liable to prosecution under the Pharmacy Acts.

M. D. (19/7).—(1) A quantity not exceeding 8 oz. of rectified spirit is allowed to be sold to medical and scientific gentlemen by chemists. (2) Receipts for money amounting to 2*l.* and upwards require a penny stamp. The value of the stamp will shortly be raised to 2*d.*

W. S. H. (19/7).—You are correct regarding the conditions as to the sale of medicines unstamped used in dispensing (*C. & D.*, July 17, p. 71). The retail price of the medicine determines the value of the stamp to be affixed in the case where part of the contents of an unstamped package is sold unmixed.

H. D. (13/7).—If an unqualified person keeps open shop and uses the title "Chemist" in the way shown on the memorandum-form you send, he would be liable to penalties under the Pharmacy Acts. Calling the place of business a "showroom" would not assist an unqualified person in evading the Pharmacy Act.

Aspirin (25/7) was granted a ten-years' lease of his shop on March 10 last. The lease confers upon the landlord the right to increase the rent by 10 per cent. at any time. "Aspirin" has just received a notice from his landlord increasing the rent by 35 per cent. as from September 1 next. Does the new Increase of Rent Act sanction this increase? [The Act does not in any way affect an existing lease or tenancy agreement, and the landlord is therefore not entitled to increase the rent by more than the 10 per cent. referred to in the lease.]

L. E. (20/7) accepted a post as assistant to a chemist under an agreement which was to be terminable by a month's notice. He was recently informed by his employer that the business had been sold to a company, and two days later "L. E." entered the service of the company. Is "L. E." entitled to claim from his original employer a month's wages in lieu of notice? ["L. E." could have insisted upon a month's notice terminating his original engagement, and if the notice had been refused he could have sued his employer for damages, which would probably have been assessed at the amount of a month's salary. As, however, "L. E." voluntarily transferred his services to the company, and therefore suffered no damage, he has no claim against his former employer.]

W. E. B. (19/7) is half-yearly tenant of a house in a country town, at a yearly rent of 28*l.*, payable on April 6 and October 6. He pays the rates and taxes. His landlord has given him six months' notice terminating the tenancy on October 6 next. Can "W. E. B." be compelled to vacate the house on that date, and what is the maximum increase of rent which the landlord is entitled to make? ["W. E. B." cannot be compelled to give up possession of the premises unless the County Court Judge orders him to do so upon one of the grounds mentioned in the new Increase of Rent Act. Assuming that 28*l.* was the rent on August 3, 1914, the landlord will be entitled to increase it, as from October 6, by 5 per cent.—i.e., 1*l.* 8*s.*—and by an amount not exceeding 25 per cent., according to the extent of his liability for repairs. After July 2, 1921, he will be entitled to make a further increase of 10 per cent.—i.e., 2*l.* 16*s.*]

A. B. C. (31/35) replied to an advertisement for a "laboratory working manager," in March last. He sends us copies of the letters which he received from the firm, in one of which the situation is described as a permanent one, and states that at an interview he was promised an increase in salary of 10*s.* per week after three months' service. He started his duties early in April, and has now been informed by his employers that they are not able to retain his services. He has no other situation in view, and asks whether he is entitled to damages. [The right of "A. B. C." to damages depends entirely upon whether his engagement has been terminated by a "reasonable" period of notice. If it has not, he is entitled to claim damages for wrongful dismissal, the measure of damages being the amount of salary which he would have earned had he been allowed the full period of notice to which he was entitled. If, on the other hand, the notice of dismissal was of reasonable duration, he has no remedy against his employers. We are unable

to state what period of notice the Court would regard as reasonable, since this depends mainly upon the nature and responsibility of "A. B. C.'s" duties in the absence of a definite agreement upon the subject.]

T. I. (20/7) recently purchased a building, outside the Metropolitan area, which comprises a shop and house, let at 150*l.* per annum, two offices let at 20*l.* and 10*l.* respectively, and another shop let at 30*l.* He has ceased to reside on the premises and has converted the residential rooms into offices. To what extent is he debarred by the new Increase of Rent Act from improving the rentals of the offices and shops? [We gather that "*T. I.*" proposes to let the building in separate parts to different tenants, in which case it will be necessary to ascertain the standard rent (*i.e.*, the rent on August 3, 1914) applicable in the case of each separate letting. If the division of the premises into the various lettings differs from that obtaining in 1914 it will be necessary to make an apportionment in order to determine the standard rent of the premises let to each tenant. If necessary, the County Court must be asked to make the apportionment. In any case where the standard rent of a letting is over 78*l.* "*T. I.*" can increase the rent without restrictions, but where the standard rent does not exceed that figure it can only be increased by 35 per cent. and an additional 25 per cent. if "*T. I.*" is responsible for all the repairs. The 25-per-cent. increase must be reduced if he is liable for part only of the repairs. Increases may also be permissible upon the ground of structural improvements, and of higher rates if the latter are paid by "*T. I.*"]

Lumex (16/7) gives the figures of the profits of his business for the past six years as: 1914, 93*l.*; 1915, 118*l.*; 1916, 374*l.*; 1917, 268*l.*; 1918, 1,237*l.*; 1919, 947*l.* The figure for 1919 includes 200*l.* paid as excess-profits duty for the year 1918. He asks what excess-profits duty he is liable for in respect of the year 1919, and how is the tax ascertained. [It is assumed that the pre-war standard of profits is that given for 1914, namely 93*l.* On that basis excess-profits duty will be chargeable on 443*l.* for the year 1919. The percentage levied for that year was 40, and 40 per cent. on 443*l.* gives 177*l.* 4*s.* due for the year. If in fact the accounting year is partly in one calendar year and partly in another, an adjustment of the duty would have to be made, as during the year 1918 the rate was 80 per cent. This, of course, would make an increase in the duty to be paid. No deduction is allowable in 1919 for the 200*l.* duty paid in respect of 1918. Excess-profits duty is a tax levied on the sum by which the profits of a business during the war exceed the profits made from the same business prior to the war—called the pre-war standard of profit. The duty, although charged at a rate fixed for a year only, is intended to be so levied as to be a duty calculated on the profits taken for the whole period during which the duty is in force. Thus, a loss made in one year of the period may be set off against a profit made in another. Certain deductions by way of abatements are allowed, a special allowance being made in the case of a trade or business the pre-war standard of profit from which did not exceed 500*l.* Generally speaking, the profits are computed in the same way as for income-tax, with the addition of certain trade deductions to meet losses expected to arise from the war.]

Voilex (22/7) is the tenant of premises at a rent of 40*l.* per annum, payable quarterly. On July 14, while the shop was closed for the weekly half-holiday, a notice from the landlord was put through the letter-box informing "*Voilex*" that the rent of the premises would be increased by 35 per cent. as from August 7 next, and showing the amount of the quarter's rent due on November 11. "*Voilex*" encloses the notice and asks whether it is in order. He also asks whether the fact that the floor of the back shop is broken would disentitle the landlord to increase the rent. [In the first place, the landlord is not entitled to increase the rent of the premises until the existing tenancy has been terminated by the requisite notice. The length of notice to be given depends upon the nature of the tenancy; for instance,

if it is a quarterly tenancy, a quarter's notice must be given. In any case, the notice of increase is invalid, both because it does not give a full month's notice of the increase, and because it is not substantially in the form given in the new Act. In order to increase the rent of the premises the landlord must first put an end to the present tenancy by proper notice, and give at least a month's notice in the prescribed form increasing the rent as from the end of the present tenancy. The amount of the increase which is permissible depends upon whether the premises are used for residential purposes as well as for business purposes, and whether "*Voilex*" is responsible for any part of the repairs. Assuming that "*Voilex*" lives on the premises, and the landlord is responsible for all the repairs, the maximum increase allowed is 30 per cent., with a further 10 per cent. after July 2, 1921. The right to make the increase may be suspended by the County Court if the premises are not in a reasonable state of repair, and it is open to "*Voilex*" to apply to the local sanitary authority for a certificate in this respect. In our opinion, a broken floor might well be a ground for withholding the landlord's right to recover the increase of rent.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

C. L. T. (17/7).—**DYEING BILLIARD BALLS BLACK.**—The balls must be first thoroughly cleaned by washing them in a warm solution of washing soda, then soaking in dilute nitric acid (5 per cent.) for twenty minutes, and finally in cold water. Then wipe dry and immerse in a spirituous solution of black aniline dye.

F. H. L. (29/7).—**COCONUT-OIL SHAMPOO.**—The preparations sold under this name which we have examined appear to be a spirituous solution of coconut-oil soap, suitably perfumed.

G. C. J. (15/7).—**FIRST-AID IN FACTORIES.**—Particulars of the Order made under Section 7 (i.) of the Police, Factories, etc. (Miscellaneous Provisions) Act 1916 are given in Form 924, "Welfare in Factories and Workshops," which can be obtained from the Stationery Office, Kingsway, London, W.C., for 1*d.* The list of medical and surgical requisites to be kept in the factory was printed in the *C. & D.*, September 1, 1917, p. 44.

L. H. (22/7).—(1) **BOOK OF SYNONYMS.**—"The Chemists' Dictionary of Synonyms and Trade Names" (*C. & D.* Office, 3*s.*). (2) **SPIKE OIL** is the oil of *Lavandula spica*, known as "spike lavender oil."

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," July 15, 1870.

Condensed Milk.

"No milk, thank you," is an expression often heard at the tea-table, and the only wonder is that it excites so little astonishment. Did the man or woman who now uses the phrase, and by habit has, perhaps, come to believe that he or she really does not like this most natural of all foods say, or even think, "No milk, thank you," on the first occasion of its being offered him or her? And by what process, then, has he or she developed into such a human monstrosity as in years of discretion to refuse the food which once he, she, or it, lived upon exclusively? Has brandy vitiated the palate, and created a taste which nothing but fiery liquids can satisfy; or does the blame lie, on the reverse side, with the pumps of London, which have conspired, to some extent successfully, to show the superfluity of cows in the economy of nature? If the latter is the true explanation of the mysterious objection which a moiety of the human race have towards milk, we have discovered the remedy. We have received some samples of condensed milk which have quite reversed the opinion we have hitherto held with regard to this manufacture founded on some things we tried some time ago, and which we found to be quite unpalatable. . . .

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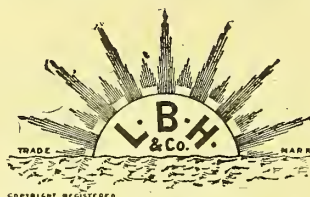
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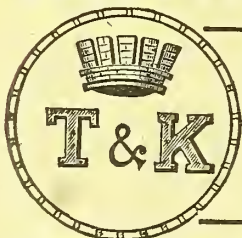
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Price per 1000 ... 7/3

Packed S/c., botts. 25's ... 4/6 per doz.

" " 50's 7/3 "

" " 100's 13/3 "

DRUGS.Chemicals.B.P. Syrups.Milled Ointments.Special prices for
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100's ... 25/- "

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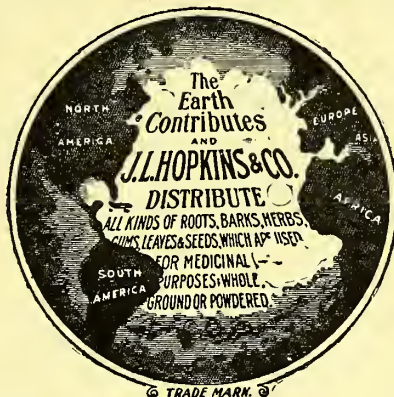
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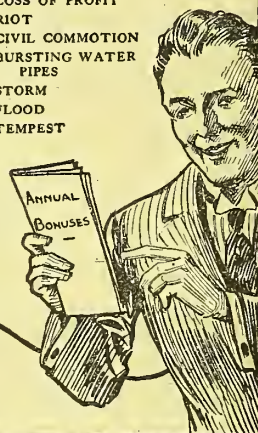
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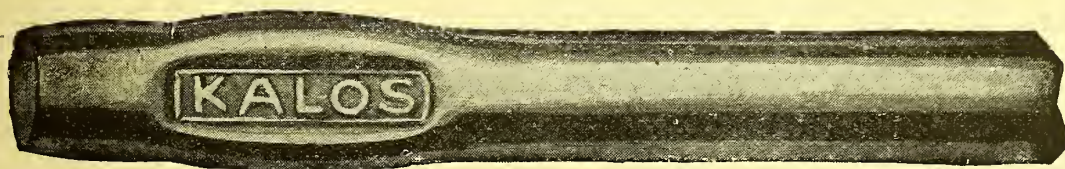
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Each box contains twice the value of any other sea-sickness remedy.

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 { 25 % & 15 % ... For quantities over Twelve Dozen.
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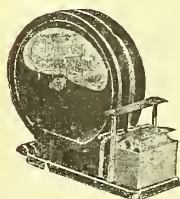
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7 lb. "	41%	"	"	"
14 lb. "	35%	"	"	"

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*28 lb. Bags,	} Sent direct to Chemist's own customer	16%
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Retail 3/- each.

Each bottle (1 oz.) carries instructions to the chemist to make up to the following Standard Formula—

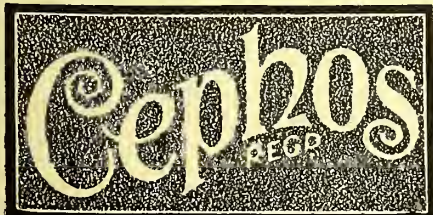
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Chemists charge according to their own scale for dispensing

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⊙ 13

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Castor Oils, *Medicinal,
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Colza Oils, *Best Pure,
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Linseed Oils,

*Best Raw,
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Turpentines,
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Substitutes,

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LIQUID PARAFFIN

All gravities, correct viscosities

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Superfine
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Finest Qualities

"Jasmine Brand"

PETROLEUM JELLIES

White and Yellow

Competitive
Prices.

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WHITE OILS

Chem. Pure, Water-white,
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Actual Refiners and Manufacturers at their Works near London.

WE SOLICIT YOUR ENQUIRIES FOR:—

OLIVE OILS, finest cream edible B.P.
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PETROLEUM JELLY, B.P., White and Yellow
TURPENTINE, American Spirits and Substitutes
CASTOR OILS, all grades
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LUBRICATING OILS of all descriptions

JAMES ARNOTT & SONS, Ltd., Newcastle-on-Tyne and Cardiff.

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*White &
Half White
Oils*

WHITE PETROLEUM JELLIES
 WHITE REFINED
 PARAFFIN WAXES

HILTON, RIDER & CO. LTD.
 Manufacturers, Importers, Exporters.
 Tel. No. Hop 837
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**Petroleum
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K. MALMBERG

110 Cannon St., London, E.C.4.

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OILS
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CHEMICALS
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We offer

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LIQUID PARAFFIN
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INSECT FLOWERS

(Japanese Best Quality).

1919 Crop was only 50 % of that of 1918, and present prices are 400 % higher than 1918. 1920 crop to be harvested May-June is estimated 20 % below that of 1919. If demand continues as at present, the present unprecedentedly high price will be exceeded.

We have shipped hundreds of tons with unanimous satisfaction to our customers.

Cable us your inquiries.

We are an all British-American firm, specialising in business that ensures satisfaction.

The Mutual Traders,

24 Nakayamate-dori, 2 chome,

KOBE, JAPAN.

Cable Address—"Simsland."

[7]

ADULTERATION OF OLIVE OIL

As the adulteration of OLIVE OIL with TEA-SEED OIL is very much on the increase, I beg to draw the attention of the Trade to the following test which, it is to be hoped, may put an end to this fraud—

Prepare a mixture of concentrated nitric acid, concentrated sulphuric acid and water, equal parts by weight. Of this mixture 10 c.c. is well shaken in a test-tube with 10 c.c. of the oil to be analysed, and placed in boiling water for twenty minutes. Should any tea-seed oil be present the oil layer changes to a cherry-red colour. The colour varies with the amount and quality of tea-seed oil present, the crude oil gives a deeper colour. When cool, samples of pure olive oil solidify to a yellow, nearly white, mass, while the adulterated oil remains liquid or semi-solid, according to the amount of tea-seed oil present, having the characteristic colour.

When the tea-seed oil is less than 20 per cent. it is better to work on 50 c.c. of oil and 30 c.c. of the acid mixture. I have tried this test on samples of pure olive oil from different sources, and in no case have I obtained a positive reaction, but other vegetable oils, such as cotton-seed, sesame, &c., give the same reaction as tea-seed oil, and should be looked for. As the majority of olive oils at present on the market are grossly adulterated with tea-seed oil, I hope that public analysts will take the matter in hand and put a stop to this fraudulent practice.

(Signed) JULES COFMAN-NICORESTI

The Analytical Laboratories,
Apothecaries' Hall,
Blackfriars, London, E.C. 4.

Reprint from "The Chemist and Druggist," March 20th, 1920,
p. 75.

LEON FRENKEL

Olive Oil Importer,

10 Lime Street,

LONDON, E.C. 3

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A SPECIALITY

EDIBLE
PHARMACEUTICAL
TECHNICALROBINSON, THOMPSON & CO.
22 DENMAN STREET, LONDON, S.E. 1Telegrams:
"Fundless, Boroh, London."Telephone:
Hop 4307.TECHNICAL AND MEDICINAL
WHITE OILS.

PETROLEUM JELLIES.

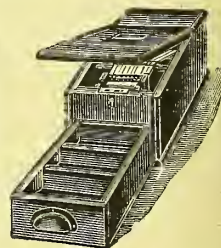
PARAFFIN WAXES.

NEUTRAL OILS,
Debloomed and Undebloomed.PALE & RED LUBRICATING OILS
CYLINDER OILS.W. J. SMITH, SOLE EUROPEAN
REPRESENTATIVE,THE JAMES B. BERRY'S SONS CO. Inc.
110 Cannon Street, London, E.C.4.THE IMPROVED
DUDLEY CASH TILL.

This Till, though so inexpensive in price, does the work just as efficiently as one costing double the price. It is made from well-seasoned wood, stained and polished to imitate richly coloured mahogany. Size: 18×9×7½". Lid fitted with lock and key. Recording paper 3½" wide. Automatically rings warning bell every time cash drawer is opened. Price, packed in wood case, 77/6 each.

Sent on 14 days' trial on receipt of cash or two wholesale trade references.

Dudley Till Coils, 5/- doz.



DUDLEY & CO., 451 Holloway Road, N.7.
City Showrooms—25 Wood Street, Cheapside, E.C.2.

LANOLINE

HYDROUS AND ANHYDROUS, P.B.

NOTHING FINER ON
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Samples and Quotations
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THE BRITISH LANOLINE CO.—LEICESTER

(Proprietors, HOWARD LLOYD & CO., LTD.)

Gelatines

Fine Leaf Gelatine,
Pure Calf.

"Albion" Brand

(In 1-lb. Packets, 112 × 1-lb. to Case.)

Made in England.

FINE CRYSTAL GELATINES.
PURE SKIN GELATINES.
POWDERED GELATINES.

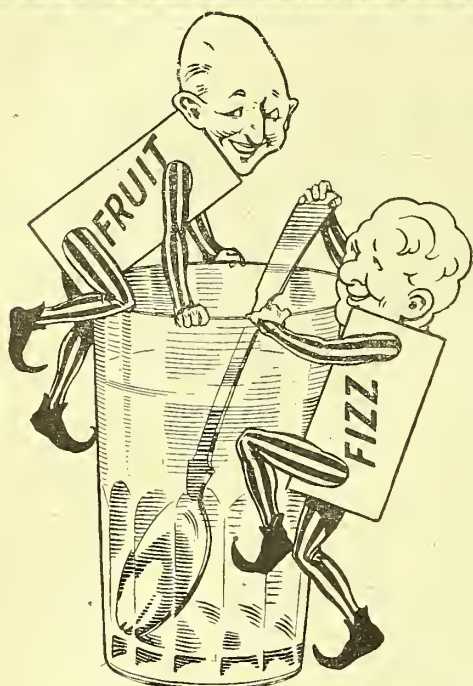
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The Quenching Twins' message this week is :

"Get in on this proposition, Mr. Retailer. The terms below—and our ready sales—are convincing proof of the good turn we will do you and your business."

Quencholeen LEMONADE

"The Perfect Summer Drink."

**For an outlay
of £3 : 12 : 0**

less 2½ % cash with order, your order would be 6 doz. cartons. These sell at 1/6 each, yielding £5 : 8 : 0, and showing a return of £1 : 17 : 10. This represents a profit of 52½ %.

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of £7 : 4 : 0**

less 7½ % cash with order, your order would be one gross cartons. Selling at 1/6 per carton, this yields £10 : 16 : 0, and shows a return of £4 : 2 : 8. This represents a profit of 57½ %.

ORDER NOW—you will follow up with a second soon, for **QUENCHOLEEN** sells at sight.

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Selling Agents for England, Ireland & Export:

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LOSALL'S SALT

SELLS FREELY & READILY

PAYS 50% ON OUTLAY

An Infallible
Remedy for
GOUT,
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ECZEMA,
and
SKIN
AFFECTIONS.

P.A.T.A.	Doz Net.
4-oz. tins	1/- 8/-
8-oz. tins	1/10 15/-
Bottles	2/6 20/-

The only line of its
kind on the market

**SOLD
EVERYWHERE.**

Manufactured by
LOFTHOUSE & SALTMER, Ltd. HULL



**ALL CHEMISTS
SHOULD STOCK**

ABDINE

THE GOLD MEDAL FRUIT DRINK.

Quick Seller. Big Profits. Over 40 years' Reputation.

"Abdine" is the most popular Health Drink, superior to all Mineral Waters. Sold in Packets, 2d. each.

Wholesale Prices on application. Sample Box 1/6.

D. MCCLASHAN, M.P.S., [Abdine Works, Westfield Road, EDINBURGH.]

HEALTH SALT SUPERIOR
QUALITY.

4-oz. Decorated Tins.

1 Gross ...	78/-	5 Gros ...	77/-
2 " ...	77/6	10 " ...	76 6

Carriage paid.

W. FOX & SONS, Wholesale
Botanic Druggists
CASTLE STREET, SHEFFIELD.

**CARTWRIGHT'S
LEMON SQUASH
P O W D E R**

3d.

packets.

A wonderful seller packed in waterproof boxes. The powder contains a Terpeneless Lemon and the necessary sugar. One packet makes one pint. Good window bills with all orders.

1 gross	22/- per gross.
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W. B. CARTWRIGHT, Ltd.,
Makers of Pharmacy Specialties,
RAWDON, near LEEDS.

MASON'S EXTRACT OF HERBS

can be made up successfully with Treacle.

Please apply for supply of descriptive bills for distribution or counter use, to

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Vinum Xericum

BUTTS.	HOGSHEADS.	QR. CASKS.
108 galls.	54 galls.	27 galls.

STRENGTH 17°

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Dispensing Bottles and Vials

Ordinary quality or Quinine-tinted.

Blue Lotion Bottles

Lettered "NOT TO BE TAKEN."

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Established 100 Years.

ACETIC ACID

Made in Canada. Highest Quality.



GLACIAL - 98/100 %
80 % pure edible

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For supplies of Acetic Acid in the United
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Stocks held in London and Liverpool

All CHEMISTS can now secure "LECTONA"

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LECTONA is a scientific preparation containing Lecithins (the essential constituents of the Nerves and Brain) and Vitamines.

The Lecithins are present in a form in which they are completely assimilable.

LECTONA represents the LATEST RESEARCHES upon the Lecithins and Vitamines, and marks a DISTINCT ADVANCE UPON ALL TONIC FOODS.

The 5/6 tin contains sufficient for a week's treatment. EACH DOSE CONTAINS 3 grains of LECITHIN.

Its action is rapid and benefit is apparent almost immediately.

On the P.A.T.A. LIST at 5/6 per tin and 3/- per tin. Wholesale prices 49/6 and 27/- per dozen respectively.

It shows the right margin of profit to distributors.

Carriage paid only on unbroken cases of 1 dozen and upwards.

DUMMIES AND LITERATURE WITH SUPPLIES.

Manufactured only by fully qualified chemists at Lectona Works, Watford (Herts).

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Four bottles of Osmos FREE!

As a part of the great Osmos advertising campaign now in operation throughout the country, and as a special inducement to chemists to secure the utmost benefit from the rapidly growing demand for this British Medicinal Water, the proprietors offer **FOUR BOTTLES FREE** to chemists ordering one dozen. The condition is that Osmos is displayed in their window until their order is sold. Retailers who are displaying Osmos greatly appreciate the concession and are benefiting accordingly.

Osmos retails at 2/6 (P.A.T.A)

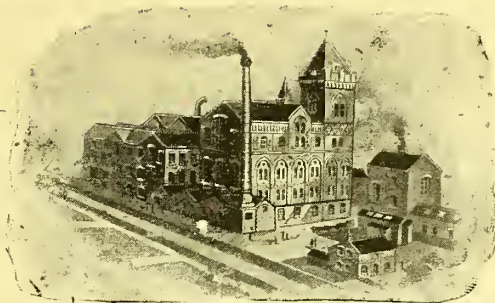
Osmos

The Great British
Aperient Water

Trade Terms:
22/- per dozen bottles
Carriage Paid.

Osmos, Crown Wharf,
Hayes, Middlesex.

“John



Bull”

(REGD.)

MALT EXTRACT

and

COD LIVER OIL

Does not separate.

Supplied in Bulk, Jars, Cardboard Containers, &c., for Wholesale and Export only.

PAINE & CO., LTD., ST. NEOTS, HUNTS.

Extract of Malt

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Cod Liver Oil

IN BULK, JARS OR TINS.

Prices on application.

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BISHOP'S STORTFORD.

Proprietors { H. A. & D. D. TAYLOR
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The Medical Profession are recommending VITMAR for delicate children and Invalids.

If you do not yet stock it your wholesaler will supply you.

Manufacturers :

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Food Specialists,

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Have you a WINE LICENCE?

If not, you should take steps to procure one,
and we will pay the cost.

If you already have a licence we undertake to
pay the annual charge.



The only conditions are—

1. That you agree to give full display to Dr. Hale's Vin-Sanguis in your premises all the year round.
2. That you give us an agreed initial order.
3. That you keep Dr. Hale's Vin-Sanguis always in stock.

Advertising Matter and Doctors' Samples free.

Trans - Continental Agencies, Limited

Proprietors of
Dr. Hale's Vin-Sanguis.

14. Southampton Street, Strand,
London, W.C. 2.

PURE ORANGE WINE

A. MILLAR & CO., LTD., DUBLIN

VINUM AURANTII B.P.

Prepared in strict accordance with the Formula of the British Pharmacopœia.
London Agent: JAMES STIRTON, 43 GREAT TOWER STREET. E.C.3.

(Wholesale only)

TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.

FOR QUOTATIONS apply to—

PRESTON'S LIVERPOOL DISTILLERY CO. LTD.

The Largest Makers in the United Kingdom

BANKHALL DISTILLERY, SANDHILLS, LIVERPOOL. Office: 4 India B'ngs, Water St, Liverpool.



**LIQ. SANTAL FLAV.
c. BUCHU et CUBEBA**

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Packed for dispensing only,
in 10, 22, 40 & 90 oz. bottles.

"Experience has shown this preparation to possess the same efficacy as Santal Oil itself. It mixes clear with water, and has a taste by no means disagreeable."

The Practitioner.

VIROPHOS

Of proved utility in Nervous Diseases,
and a powerful Restorative for the
Digestive Organs and Nervous System.

A Valuable Tonic Food for Children.

"It is of high nutritive value enhanced by the presence of assimilable phosphates."—*The Lancet.*

WHOLESALE PRICES.

No. 1.	1½ oz. Tin ...	9/- per doz.
" 2.	3½ " " ...	14/6 "
" 3.	6½ " " ...	24/- "
" 4.	12 " " ...	42/- "

**MIST. PEPSINÆ CO.
c. BISMUTHO**

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Packed for dispensing only,
in 10, 22, 40 and 90 oz. bottles.

"Obviously likely to be of much advantage in the frequent cases of irritative dyspepsia, with atony of gastric or intestinal muscular layers."

British Medical Journal.



Introduced and Prepared only by C. J. HEWLETT & SON, Ltd., Wholesale Druggists, 35-42 Charlotte St., London, E.C. 2.

SOME TRULY REMARKABLE TESTIMONY FROM CHEMISTS*Who write us to tell of how "restless" they find their stocks of***REUDEL BATH SALTRATES^{AND} ALKIA SALTRATES****The best of all preparations for the bath.**
Sells at 2/- and 3/3 (P.A.T.A.).**The Acme of perfection in Salines.**
Sells at 3/3 a large bottle (P.A.T.A.).**These products simply will not stay on the shelf.**

NOTE.—The following statements were sent us without solicitation of any kind.

Mr. Chas. Robertson of St. Andrews, wrote us saying that our products were proving so restless that he had difficulty in keeping them on his shelf. He had just made three sales within 15 minutes. Mr. J. L. Lewis of Harlesden, and many other Chemists have also written us telling of similar experiences.

In a recent advertisement we reproduced Mr. Robertson's letter in facsimile, and Mr. A. W. Cornish of Bristol, after reading that announcement, now writes us to say he has eclipsed even Mr. Robertson's record, having himself made four sales in five minutes.

By special permission, we reproduce below, in full, the letter which Mr. Cornish has kindly sent us.

A.W. CORNISH, M.P.S.
THE PEOPLE'S CHEMIST
The Oxford Pharmacy 188 Lower Ashley Rd.
BRISTOL

Messrs Saltrates Ltd.,
212/214, Gt Portland St.,
London. W.1.

April 24th. 1920:

Dear Sirs;— I was reading through reproduction of Mr Robertson's (St Andrews) letter on page twelve of to-day's date Chemist & Druggist and I think this afternoon I surpassed his feat, in my shop as above. Four customers following, purchasing Saltrates preparations, as follows.

2/- Reudel Bath Saltrates	) All in
3/3 Alkia Saltrates	) <u>five</u>
2/- Reudel Bath Saltrates	) <u>minutes</u>
3/3 " "	) <u>or so.</u>

Later on in the day I was asked for another 2/- size Reudel, but in this case the customer would not take the 3/3 size, so I missed the sale, having just sold the last small package. I am quite prepared to admit that this is a coincidence that does not often occur, and probably was in part due to other brother Pharmacists being "Sold out". But your preparations are always good sellers with me.

I thought the foregoing would interest you, and it is absolutely authentic, as my Lady Assistant can witness. If the "Tale wants adorning" and I may "point a moral", I would say never load up your shelves with goods that stick there, but to borrow Mr Robertson's "natty" phrase fill up with "restless" goods, which are restless to the point of removal for "Cash Till Food".

With compliments,
Yours faithfully,

A.W. Cornish

Pure Rubber BATHING CAPS



No. 3527.

Assorted Green, Red
and Blue,

30/- doz.



No. 3523.

Assorted Green, Red
and Blue,

34/6 doz.



No. 3366.

Assorted Black, Blue,
Red and Green,

18/- doz.



No. 3520.

Assorted Blue, Green
and Red,

40/- doz.

Subject to Usual Terms.

WILLIAM TOOGOOD, LTD.
77 Southwark Street - S.E. 1

"TOMPKINS' CORNER."

TOP VALUE IN

BATHING CAPS

Immediate DELIVERY FROM STOCK



No. 292.

LA VICTOIRE. All
rubber, helmet shape, with
stockingette bands, assorted
colours.

Note Price, 23/- dozen.

No. 286. — Cheap, all
rubber, assorted colours,
10/- dozen.No. 269. — Check, circular,
waterproof, 9/6 dozen.

WHY PAY MORE?

Variety of Fancy Lines
in Stock.

Samples submitted.

All KINDS of SURGICAL RUBBER GOODS
for the HOME & OVERSEAS MARKETS.**JAMES TOMPKINS, LTD.**

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386 City Road - LONDON, E.C. 1.

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ORANGE STICKS.

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CARDED OR LOOSE FOR WHOLESALE.**WILLIAMSON BROS.,**

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DOUCHE CANS, Enamelled Iron.**ENEMAS** in great variety.

THROAT BRUSHES.

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CELLULOID EYE SHADES.

CATHETERS—Elastic, Gum and Rubber.

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CYN TA MFG. CO.

(Props., Robert Bailey & Son, Ltd.)

STOCKPORT.

Works:

ST. THOMAS PLACE,
STOCKPORT.

London Warehouse:

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*1920***BATHING CAPS**

Oiled Silk, in a variety of colours and unique trimmings.

Per Box of 1 dozen *assorted* **30/-****INFANTS' WADERS**

WATERPROOF, WITH ELASTIC WAISTBANDS.

No. 181 Check Sheeting doz. **25/-**„ 182 Cream Colour Batiste „ **32/6**

WITH SHOULDER STRAPS.

No. 179 Check Sheeting „ **37/6**„ 180 Cream Colour Batiste „ **45/-****SPONGE BAGS**

CHECK SHEETING.

Nos. 1	2	3	4	5
6/-	7/-	8/6	10/-	12/6 doz.

COMPRESSED SANITARY TOWELINESSize 1, **18/-** Gross.Size 2, **22/6** Gross.*Order Early.*

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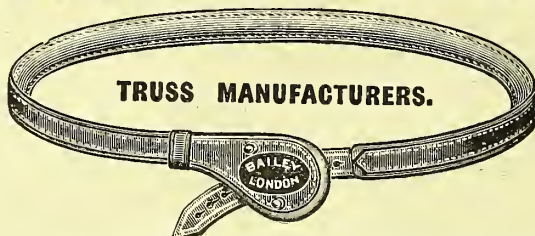
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Made on the Premises.

Specials dispatched in
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Actual Makers

Bottom Prices.

A complete Register is kept
for all Repeat Orders.



TRUSS MANUFACTURERS.

ILLUSTRATED
PRICE LIST
FREE.

Correspondence Invited.
Best Shipping Terms.

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SUPERIOR ENGLISH MANUFACTURE. FAST WOVEN EDGES.

Extremely Elastic, but contains no Rubber.

Invaluable for binding. Displaces rubber and elastic web. More durable and one-third the cost. The Norwich Crepe Bandages, containing wool will provide warmth, and do not absorb grease readily. Self-clinging and self-adjusting. Perfectly cleansed, sterilised, and resiliency entirely restored by washing in hot soft water (with addition of a little soap). The edges will not fray out nor ravel. Made and supplied to the leading wholesale houses, neatly wrapped in labelled packages. Commended by the medical and nursing professions. Send for prices and samples to the sole manufacturers—

The NORWICH CRAPE CO. (1853) Ltd. (ST. AUGUSTINE'S), Norwich, Eng.

Provincial Selling Agents, **Freese & Moon, Ltd.**, 59 Bermondsey Street, London, S.E. 1

London Buyers can obtain samples & prices from **Mr. T. Eastaway**, London Representative, 7 Wool Exchange, E.C.2.

"Dancing
never tires
it."



11

LAMP-BLOWN GLASSWARE

Our methods are new and are such that we can supply much better articles than usual, and give quick delivery. In particular, we have developed the art of annealing small glass articles to perfection, with the result that the breakage factor has been enormously reduced.

Our Special Lines include: Flat Bottom Tubes, Ampoules, Serum Ampoules, Nasal Douches, Syringes, Menthol Inhalers, etc.

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JOHN TYE & SON, 457 Caledonian Road, LONDON, N. 7.

MERCERISED CORDS

FOR TYING UP PERFUMERY, &c.

CORDS FOR SPONGE BAGS

CORDS FOR SOOTHERS

MEDICAL TWINES

ALL SIZES AND COLOURS IN STOCK

The Albion S.C. Co., Ltd. FAWLEY MILLS, TOTTENHAM, London, N. 17

PHONE 2122 TOTTENHAM.

TELEGRAMS—"ENCAGED PHONE, LONDON."

Surgical Dressings

*Packed to suit
Customers'
requirements.*

*Special Quotations
for Large Quantities.*

ABSORBENT
GAUZES

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RIBBON
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WOOLS

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WOOD WOOL
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OILED SILKS
& COTTONS

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BANDAGES

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PLASTER OF

PARIS

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to H.M.
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Telegrams: "Carnebros, Phone, London."

Telephones: Dalston 3560 and 2318.

ABC Code, 5th Edition.

INQUIRIES AND CORRESPONDENCE INVITED
WHOLESALE AND EXPORT ONLY.



Why Demand is still Growing.

Demand for the Nestlé Feeding Bottle is still growing—and it is growing because it is superior to any other feeder on the market. Its many advantages are so evident that mothers, thinking of the safety and comfort of their babies, are insisting upon the Nestlé Feeder.

The teat and rubber valve of the Nestlé Feeder are made with inner rolls which automatically cling and cannot be pulled off by the child. There is not the usual danger of swallowing the teat as in many other feeders. Pure plantation rubber is used in the manufacture of the teat and valve. Colic is prevented by the rubber valve regulating the flow of air behind the milk. This valve also ensures a steady milk flow in accordance with baby's need.

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Fig. 1

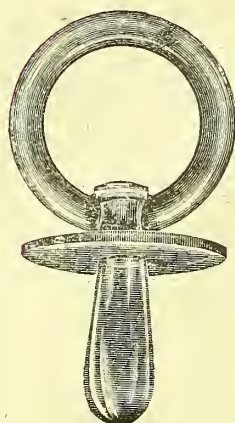


Fig. 2

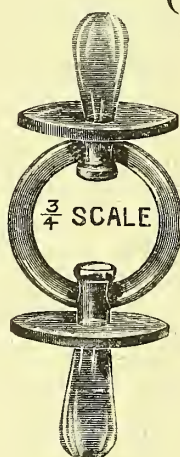
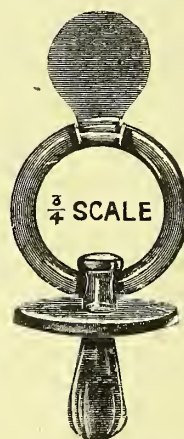


Fig. 3



represent the best value because they are :

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2 doz. No. 1, as Fig. 1, at 4/3	8	8	6
2 " " 2, do. larger " 5/3	10	10	6
1 " " 3, as Fig. 2, " 6/9	6	6	9
1 " " 4, Teething Rings	2	0	
1 " " 5, do. with Pad	3	2	
1 " " 6, as Fig. 3	4	10	
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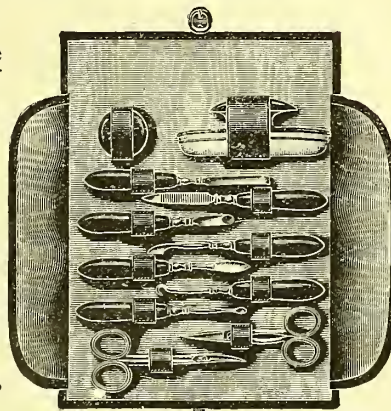
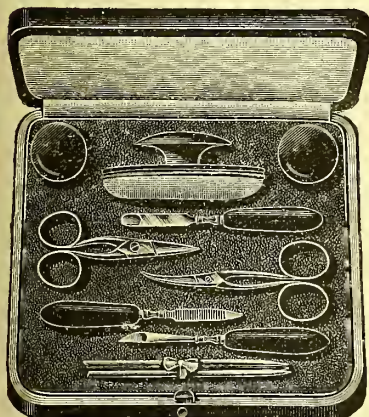
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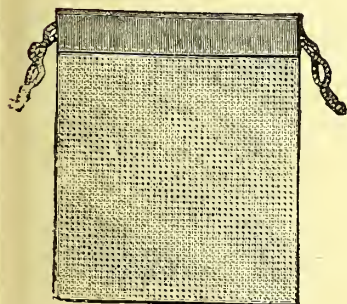
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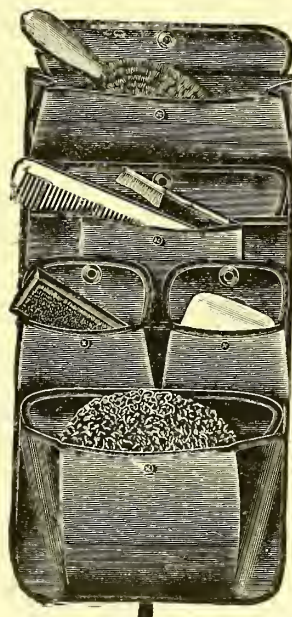
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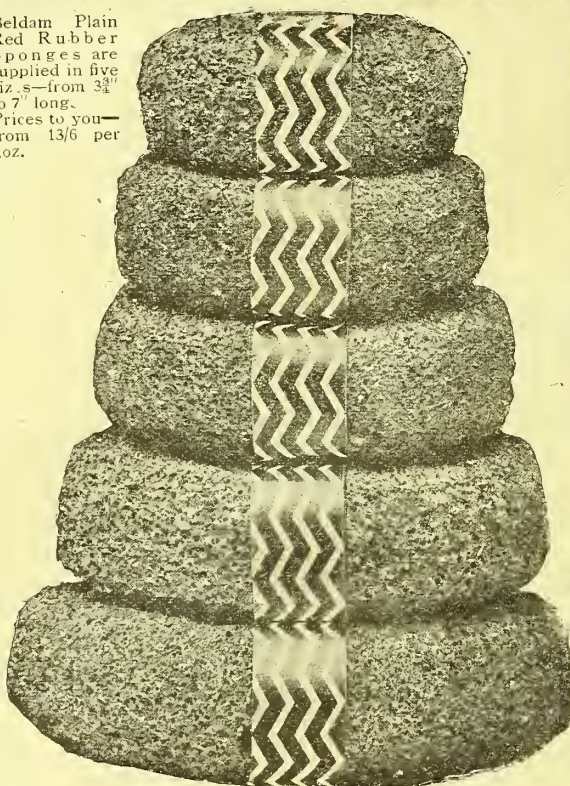
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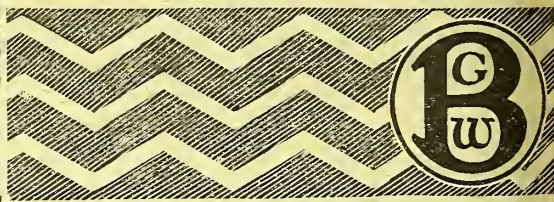


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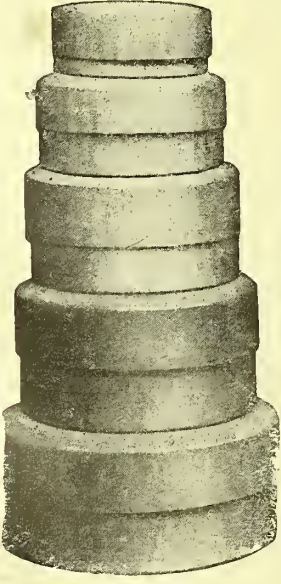
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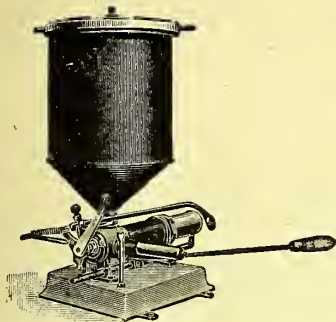
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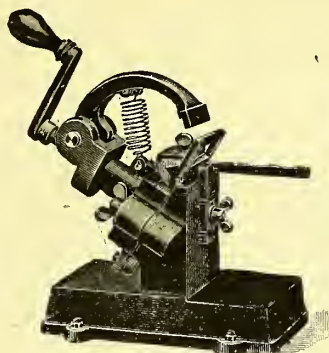
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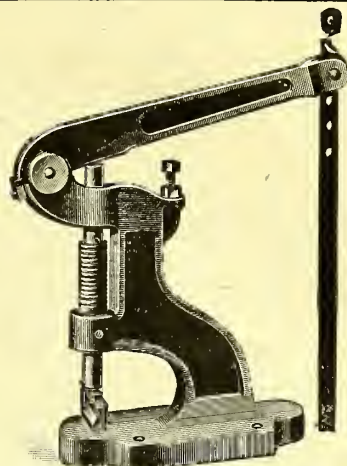
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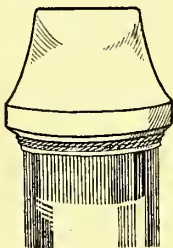
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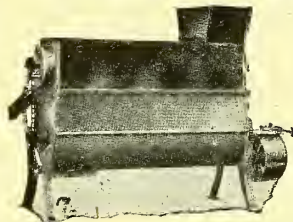
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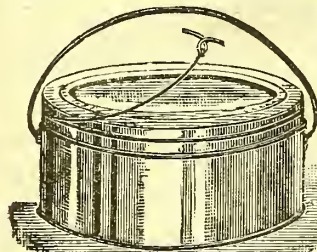
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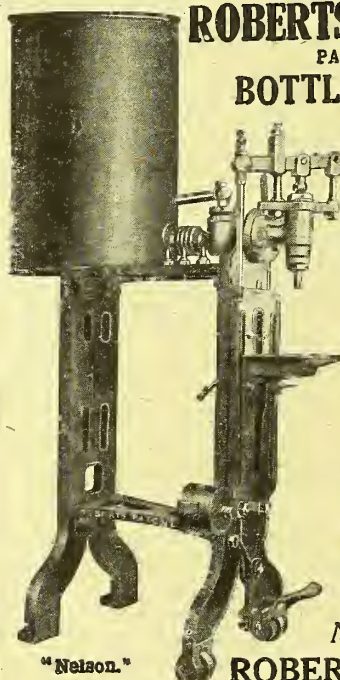
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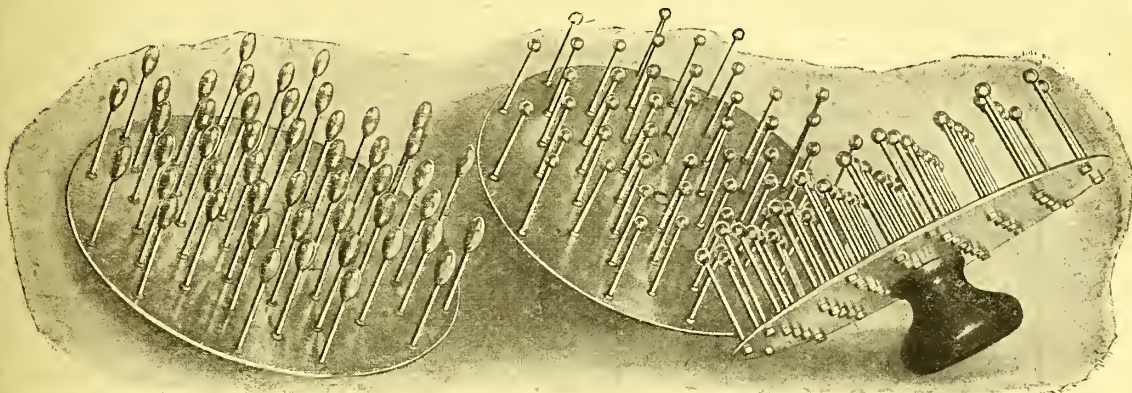
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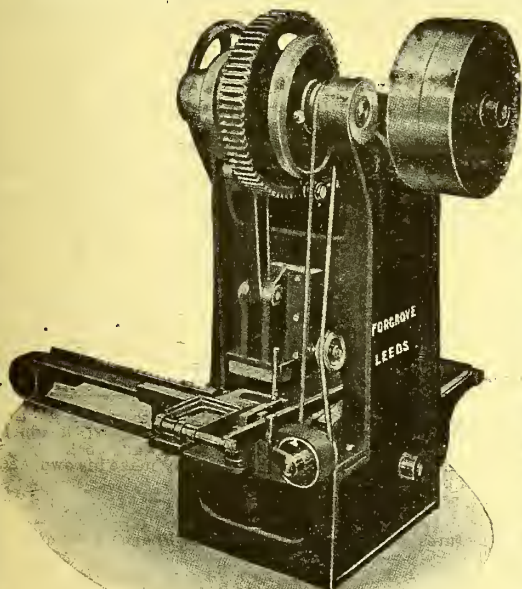
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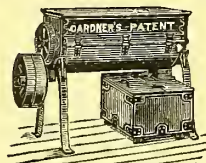


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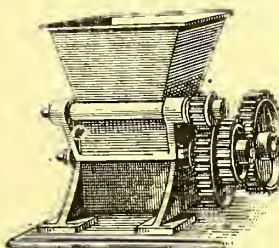


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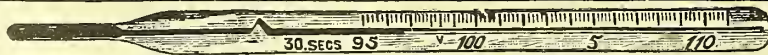
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Enclosed please find copy for cards for Soap Window Display. I leave the sizes and styles to you.

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My difficulty has been to keep pace with the Sales, as one cannot always depend on Manufacturers delivering goods in time. The one you did for a "Special Tooth Brush" I had to withdraw in 3 Days—SOLD OUT!

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Lightest and Whitest, also Purest Dense
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Price List on Application.
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ORIGINAL STAMPOO.

PROTECTS from all weathers, preserves the COMPLEXION SOFTENS ROUGH HANDS **MOKOL** FACE CREAM **MOKOL** FOR THE SKIN

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No. 1. 1-Pint size, N.P. Top and Cup. Imitation Leatherette covered.
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Write for prices and particulars.

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Especially suitable for Dental Creams, Powders, etc.
Prices and samples on application.

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Cases of 50 reams. 96 sheets per ream.

Rouge, 11/-, other colours 8/- per ream, ex store London.

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To INCREASE YOUR PRACTICE send your Work to
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Every case executed under personal supervision, thus facilitating fit and
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Special quotations to large buyers.
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The Dye with a Reputation for reliability.

ROYAL COURT HAIR DYE

SEVEN SHADES.
1/6 size 12/- doz, 2/6 size 18/- doz. P.A.T.A.
The only dye giving a natural gloss to the hair.

From all wholesalers or direct
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This popular article is largely advertised
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Trial size 8d., per post 10d. Medium, 1/4, per
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Hand Pill Machines (for Chemists), Tablet Sugar Coaters (with Hot-
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With Inscriptions in any desired
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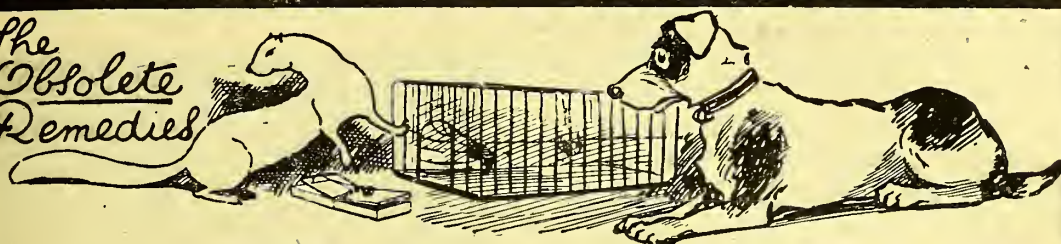
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In 17 sizes to fit the various types of Cachet Machines

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ANTHONY LEIGHTON
BEST SHAMPOO FOR KIDDIES.
Keeps little heads clean and parasite free
in a nice way, does all that is
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-hole P.A.T.A. profit.
LET US SEND YOU
8 doz. & 1 doz. Bonus
plenty of show cards,
bills, wrappers,
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CARR. PAID. EACH DOZ
6° 4/- NON-POISONOUS
LEIGHTON LABORATORIES 35 GRAYS INN ROAD, W.C.1. **DATA 43% PROFIT**

YOU CANT GO WRONG
Quina Quenna
BETTER THAN A SHAMPOO
YOUR P.A.T.A. PROFIT. **43%**
in showing this heavily advertised
Hair Grower and "waver" applied as
a Shampoo It's so heavily advertised
all the time and sales are certain and
sure if you only shew it.
4 Dozen P.A.T.A. 6°
6 Dozen & 1 Dozen Bonus.
Carriage Paid.
CHRISTY'S
Old Swan Lane, E.C.4

*The
Obsolete
Remedies*



A READY SELLING RAT POISON

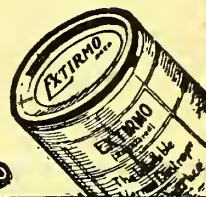
of proven value. It is on the Government List. It always retains its effectiveness—therefore creates no bad stock. Now being advertised in the Press. Helping your sales and therefore ours. Extirmo retails in tins at 7½d., 1/3, 2/6, and 5/-, and shows you a splendid profit. *Are you stocking Extirmo?* Write to-day to the manufacturers for full particulars. Prompt deliveries for either Home Trade or Export.

E. H. WRIGGLESWORTH, Ltd.,
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*The
Absolute
Remedy.*



EXTIRMO *Reg'd*
KILLS RATS.
and MICE



BIRDLIMES for Counter Sale.

KAY'S BIRDLIMES are supplied for Counter Sale in sealed tins and collapsible tubes. So packed, they are as pleasant to stock as they are profitable to sell.

Kay's Cheshire Birdlime
For Small Birds, Mice, etc.

Kay's "Dak" Birdlime
For Large Birds, Rats, etc.

PRICES.

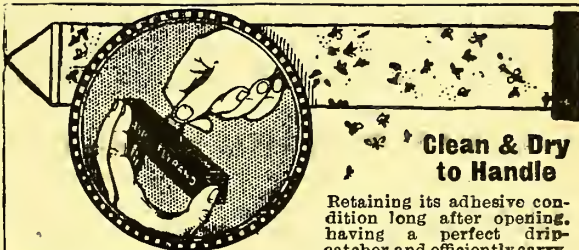
Sealed Tins :

Size No. 1	...	18/-	per gross, net.
" No. 2	...	30/-	" " "
" No. 3	...	45/-	" " "
" No. 4	...	72/-	" " "

Collapsible Tubes ... 60/- " " "

£4 orders less 5%. Carriage Forward.

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**Clean & Dry
to Handle**

Retaining its adhesive condition long after opening, having a perfect drip-catcher, and efficiently carrying

ing on its work of fly destruction, the Wasp Flyband has an enormous sale.

WASP FLYBAND

pays you because it gives rapid turnover at a protected profit, is clean and dry to handle, and is the most effective fly-catcher sold. Write for prices. *Manufacturers—*

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DISINFECTANTS

PACKED UNDER CHEMIST'S OWN NAME IF REQUIRED.

WRITE FOR PRICE LIST.

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PHONE: CLERKENWELL 1588. WIRES: "ETNOCEL, AVE, LONDON."



The SELF-FIXING
HERMETIC
WASHABLE
BOTTLE CAPS
are

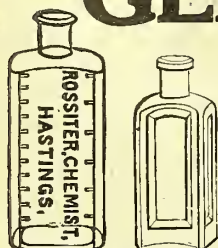
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IMMEDIATE DELIVERY.
Transparent or Opaque, or Coloured.
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SAUCE BOTTLES, &c., &c. Wholesale quantities only.
Your inquiries solicited.**Q. VAN DER HOEK, 324/5 Bank Chambers, 329 High Holborn, LONDON, W.C.1****SAFETY RAZOR
SHARPENING**

BY LATEST ELECTRICAL MACHINERY.

We guarantee a perfect edge on ANY blade. ANY make.
Trade terms: 6d. PER DOZEN net.

Blades returned same day as received.

SEND US YOUR WORK.**THE LIVER RAZOR CO., 77a DALE STREET, LIVERPOOL.****GLASS BOTTLES****WHOLESALE
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{ Best Quality, Quinine Tinted.
Pale Tinted, 2nd Quality.
Pale Green.
All sizes.
Actinic Green, Blue or Amber.

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STAIN REMOVER

- ☐ Allows 50% profit on outlay.
- ☐ In steady demand on merit alone—now being developed by advertising.
- ☐ Effective for all kinds of stains on every kind of material.

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P.A.T.A. 1/- @ 1/9. Wholesale 8/- @ 14/- doz.

Showcards, Circulars, etc. free on request to

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LIMITED,

Albert Works, Park Street, London, N.W. 1.

DISINFECTANTS

OF ALL KINDS.

Disinfecting Fluid,
Co-efficient Disinfecting Fluids,
Carbolic Acid (LIQUID and CRYSTALS),
Cresylic Acid,
Naphthaline,
Lysol, and
Disinfecting Powders.

The "KILLGERM" Co. Ltd.
CLECKHEATON.

Telegrams: Disinfect Cleckheaton.
Codes: ABC and Bentley's
Telephone: 237 Cleckheaton



SLIPPERINE
REGISTERED
**BALL ROOM
FLOOR POLISH**

Meets the Holiday requirements
FOR

TENNIS or FLANNEL DANCES.

WILL YOU HELP?

P.A.T.A. 1/6 size, 12/- doz.

„ 2/6 „ 20/- „

3 doz. 1/6 or equivalent, less 2½%. C.P.
6 „ 1/6 „ „ 5% „

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HARKNESS, GALLACHER & RUFF	...	GLASGOW.
W. PATERSON & SONS	...	ABERDEEN.
HAYES, CONYNGHAM & ROBINSON, Ltd.	...	DUBLIN.
BROWN, GRAY & Co.	...	GLASGOW.

Where not represented, the Makers will gladly send a first order for 1 dozen, carriage paid, cash with order.

Makers—

JOHNSTON & ADAMS,
DUNDEE, SCOTLAND.

IT STANDS TO REASON THAT, ACTING FOR
PRACTICALLY ALL THE WHOLESALE TRADE,

The Association of Manufacturing Chemists, Limited,

HOLDS THE UNRIVALLED POSITION OF BEING ABLE
TO RENDER THE FINEST POSSIBLE SERVICE IN
RELATION TO

**The Collection of Accounts
Status Enquiries.
Investigations.
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(FACTS THAT MATTER)

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IT OWNS THE MOST UP-TO-DATE RECORDS,
AND ITS DIRECTORS ARE CONNECTED WITH THE
LEADING MANUFACTURING CHEMISTS.

A VERY LARGE FIRM WRITES: "We strongly advise every business firm placing
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WRITE TO-DAY FOR PROSPECTUS, and by joining, you
will make your BAD DEBT LEDGER a relic of the past.

PRINCIPAL - PARKIN S. BOOTH,

The Trade Protection's "Live Wire," as the 'C. & D.' describes him.

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Telephone No. City 6942
(2 Lines)
Telegraphic Address:
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35, 36, 37 EXCHANGE CHAMBERS,
BIXTETH STREET, LIVERPOOL,
Telephone: Central 8365
(4 Line)
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Just what you want
IN
GLASSWARE
of every description.

YOU may perhaps be buying only for immediate requirements and cannot get prompt delivery of the goods wanted. Apart from our huge Provincial stock, bear in mind we have ready for delivery at our various London depots

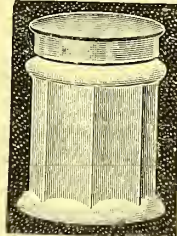
APPROXIMATELY

10,000 cases
of every description of
Glassware for all purposes.

Porcelain Pomade (with Celluloid Caps) 1, 2 and 4 oz.



Opal Octagon Pomade. 1 & 2-oz. with Screw Caps



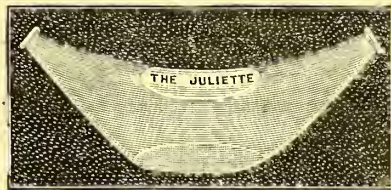
Smelling Salts.



The following are some of the lines we offer :

- LIMES**, tinted green, squat, 2-oz., packed about 15 gross cases, 12/- gross net. Free port London. About 200 gross stock.
- LIMES**, tinted green, 4-oz., packed about 8 gross cases, 18/- gross net. Free port London and Newcastle-on-Tyne. About 500 gross stock.
- MEDICALS**, tinted green, 4-oz., plain, 1st quality, packed 5 gross cases, 21/- gross net. Free port. Stock 650 gross Hull. 100 gross London. 100 gross Liverpool.
- MEDICALS**, 4-oz., graduated, packed 6 gross cases, 2nd quality, 19/- gross net. Free port London. Stock about 200 gross.
- MEDICALS**, tinted green, 6 oz., 2nd quality, plain, packed, 6 gross cases, 22/- gross net. Free port London. Stock 60 gross.
- MEDICALS**, tinted green, 2nd quality, 8-oz., grad., packed 3½ gross cases, 24/- gross net. Free port Hull. 150 gross stock.
- MEDICALS**, tinted green, 1st quality, 8-oz., grad., packed 5 gross cases 30/- gross net. Free port London. 150 gross stock.
- TOBINS**, 2½-oz., tinted green, packed 5/6 gross cases, 20/- gross net. Free port, stock 200 gross Hull and 200 gross London.
- VIALS**, tinted green, 2-oz., packed about 28½ gross cases 9/6 gross net. Free port Glasgow, about 150 gross stock.
- VIALS**, tinted green, 1-oz., packed 17½-19½ gross cases, 11/- gross net. Free port Hull, Glasgow, Liverpool and Leith, about 700 gross stock in all.
- VIALS**, tinted green, 6 drams, packed 13/23 gross cases, 10/6 gross net. Free port Leith, Hull, and Glasgow, about 1,000 gross stock in all.
- VIALS**, tinted green, 2-oz., packed 8/11 gross cases. 12/- gross net. Free port Leith, Hull, Glasgow and Liverpool. About 1,000 gross stock in all.
- MEDICALS**, 2-oz., tinted green, packed about 15 gross cases, 19/- gross net. Free port Leith. 9 cases stock.

WHOLESALE
ONLY.



NO RETAIL
FIRMS
SUPPLIED.

JULES LANG & SON.

CHARLTON WORKS:
Charlton Place, Islington, London, N. 1.

Telephones : North 2770-2 (three lines). Telegrams : "Assorted Phone, London."
Please mention this Paper when sending us your inquiries.

PACKED DRUGS AND TOILET REQUISITES

MAY, ROBERTS'
Illustrated Price List
IS NOW READY

This Catalogue illustrates all our latest Productions
and includes also our Price List of Bulk Drugs

SEND A POSTCARD
FOR YOUR COPY

MAY, ROBERTS & CO., Ltd.

7/13 Clerkenwell Road - . . - LONDON, E.C. 1

And at 16 Westmoreland Street, DUBLIN.

THE CHEMIST AND DRUGGIST SUPPLEMENT

42 CANNON ST.
LONDON, E.C.4.

JULY 31, 1920

This Supplement is inserted in every copy of The Chemist & Druggist

THE CHEMIST AND DRUGGIST SUPPLEMENT REVISED ADVERTISEMENT TARIFF.

Businesses Wanted and for Disposal, Premises Let, Goods and Shopfittings for Sale, and Agencies: 6/- for 50 words; every additional 10 words or less, 6d.
ADVERTISEMENTS OPEN: 6/- for 40 words; every additional word or less, 6d.
ADVERTISEMENTS WANTED: 2/- for 18 words; every additional word or less, 6d.

Legal Notices, Tenders, Auctions, and all specially spaced announcements, 1/3 per nonpareil line (12 lines=1 inch single column).

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EXCHANGE COLUMN (for Retailers, etc.). **Two-pence** per word, minimum 2/-.

BOX NUMBER.

In each case replies may be addressed to a registered number or nom-de-plume, c/o this Office, at a charge of 1/- extra for each advertisement.

Advertisements are prepaid, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph urgent announcement this may be done, provided the money is telegraphed at the same time.

THE CHEMIST AND DRUGGIST, 42 Cannon Street, LONDON, E.C.4.

Telephone: Central 3617 (3 lines).

Telegrams: "Chemicus, Cannon, London" (2 words).

EARLIER CLOSING FOR PRESS. Will advertisers please note that until further notice it will be necessary that Advertisements ended for the Supplement must reach us not later than the **FIRST POST THURSDAY MORNING.**

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone No: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION,

-LONDON, S.W. (Busy Main Thoroughfare).—Modern Pharmacy, handsomely fitted and fully stocked; excellent position; returns £4,000; scope for development; lock-up shop; rent moderate; held on lease; *net profit, after paying everything*, £400; price £3,500, or goodwill and valuation of stock and area.

-LONDON SUBURB.—Ready-Money Business; returns over weekly; profits above the average; rent £35; no immediate position; further details on application.

-CITY (Few Miles Out).—Cash Retail Business, situate in working-class locality; returns, under unqualified management, £1,200 (present rate); good opening for qualified man; stock and fixtures estimated by vendor at £500; price £650.

-INLAND HEALTH RESORT.—Good middle-class Business, Retail and Dispensing; situate in an attractive residential locality; returns upwards of £2,400; well-fitted shop, fully stocked; price to be agreed.

-SOUTH COAST (Seaport).—Modern Cash Pharmacy; returns upwards of £3,000 at good prices; commodious, well-fitted shop; stock; no immediate opposition; price to be agreed.

-YORKS.—Lock-up Pharmacy; returns, present rate, £70 weekly; scope for increase; *net profit* 25%; rent £30; new lease will be granted, or premises may be purchased; price for lease about £650.

-MIDLANDS.—General Retail Business; returns over £2,500; open to inspection; double-fronted shop; moderate rental; lease if desired, price about £1,500.

8.—SCOTLAND.—Unopposed Mixed Business; returns £20 weekly, at good prices; modern-fitted shop, with residence attached; price for the Business £600, and a further £600 for the premises.

9.—SOUTH-EASTERN (Main Line).—Retail and Dispensing Business, situate in a pleasant locality much frequented by visitors; returns £2,500, at good prices; valuation terms entertained.

10.—BIRMINGHAM.—General Retail Business, with N.H.I. Dispensing; returns about £20 weekly, increasing; *gross profit* £350 to £400; double-fronted, roomy shop, fitted in mahogany; stock and fixtures estimated at £550; rent £55; sub-let £30; price £650.

11.—GLOUCESTERSHIRE.—Old-established Business, Retail, Dispensing, and select Proprietary trade; vendor retiring from the Retail; returns between £3,500 and £4,000, at full prices; well-appointed shop; vendor's own property; good opening for two energetic men to work the concern on partnership terms.

12.—SEASIDE (within 40 miles of London).—Popular health resort; returns last year £7,000, increasing; modern trading; *profits about* 33½%; capable of development; attractive, well-fitted shop and large stock; worth attention.

13.—HOME COUNTY.—Good-class Retail and Dispensing Business; returns upwards of £4,500, at good prices; further details will be furnished on receipt of a banker's reference.

14.—L. & N.W. MAIN LINE.—Ready-money Retail Business, situate in large manufacturing town; returns upwards of £60 weekly; *net profit* 25%; further details on application.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a periodical Statement of Account, by which means alone Profit, the true value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BERDOE & FISH

VALUERS & TRANSFER AGENTS

35 Jewry Street, Fenchurch Street, E.C.3

Telephone: 1809 CENTRAL.

LONDON, N.W. (7 miles out).—Good light suburban retail, on main road, and quite unopposed. Returns over £1,500. No N.H.I., photo, or optics. Qualified man could greatly extend business. Good house and garden, own property. Very heavy stock. Price £1,400.

LONDON, N.—Old-established, light cash retail, with good optical connection. Returns over £2,000. Good profits. Well-fitted pharmacy and fully stocked. Six-roomed house attached. Price £1,000, or valuation, plus £75 goodwill. Illness sole reason for selling.

BUSINESSES WANTED.

We have genuine cash buyers on our books prepared to take over immediately businesses in the following localities:

LONDON (good-class suburb).—Prices from £600 to £3,000.

HOME COUNTIES (large or small towns).—Prices from £500 to £2,500.

SOUTH, S.E., or S.W. COAST.—Prices, £800 to £3,000.

EASTERN COUNTIES.—Prices, £600 to £2,000.

SOUTH MIDLANDS OR MIDLANDS.—Prices, £500 to £3,000.

Intending vendors are cordially invited to correspond. Private register kept. Quick sales guaranteed.

ESTABLISHED 1870.

THOS. TOMLINSON & SON

**CHEMISTS' VALUERS, TRANSFER AGENTS,
AND EXPERT STOCKTAKERS.**

40a MARKET STREET, MANCHESTER.

ESTABLISHED OVER HALF A CENTURY.

Telegraphic Address: "Tomtom."

BUSINESSES FOR DISPOSAL.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

LONDON, W.—Owing to especial circumstances, neglected Business, showing exceptional profits, is offered for immediate cash sale; returns approach £1,500; capable of large increase under personal management; double-fronted shop; held on long low-rented lease; part premises sub-let, covers rent of whole; opening for Dentistry and Optics; price £1,200 or near offer. Apply, with references, 167/22, Office of this Paper.

NORTH MIDLANDS.—Country town, well situated, no opposition within eight, ten, or eighteen miles; established 70 years; in present hands nearly 40 years; owner retiring, but would remain as sleeping partner without remuneration for an agreed period if desired; excellent house, with ample accommodation for large business, and scope for energetic man with family; price £1,250. Apply "Quinine" (163/15), Office of this Paper.

NORTH WALES (lovely inland health resort).—Old-established Chemist's Business, well fitted and stocked, doing £3,000 a year (increasing); big profits; large 9-roomed house, bath (h. and c.), good warehouse, and yard; electric light; rent £50, rates £25 a year; best position in town; little opposition; plenty N.H.I. if wanted; excellent opening Optics (Dentistry and Kodak agency just started); whole could be greatly increased; books correctly kept; investigation courted; cash trade; lease if required; bargain £2,500 cash; proprietor (Englishman) would stay month to introduce and put into Dentistry if required; good reason disposal. Apply 164/16, Office of this Paper.

BRETT & CO

All Valuations have the personal attention of F. J. Brett, M.I.

Transfer Agents & Valuers,

73 LAUREL ROAD, LEICESTER.

Telephone: 1934.

In consequence of continued ill-health Owner must have a quick sale and will accept cash price £1,000 for good light retail having a net profit of £600. Good house, London.

We have Cash Buyers for all Descriptions of Businesses.

PARSON C. BAKER Ph C., M.P.S.,

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174 Victoria Street, S.W.1. Tel.: Victoria 27.

Valuers for Purchase, Sale, Probate, Income Tax, Balance Sheet,

Recommended by The British Drug Houses, Ltd., Messrs. Messrs. Ltd., Messrs. Barclay & Sons, Ltd., and many other leading Wholesale Houses. Valuers to the Association of Manufacturing Chemists.

SOUTHALL BROS. & BARCLAY, L.

(valuation and Transfer Dept.)

Special Terms for Probate and

Trading Accounts, Income Tax, etc.

For particulars apply—

19, 20, 21 LOWER PRIORY, BIRMINGHAM

AGENCIES.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

LONDON firm of Manufacturers desire active Sales Agents with connection, for sale of high-grade British-made S. Brushes; only first-rate man with live Wholesale connection and credentials will be entertained. Send full particulars in confidence to 21/8L, Office of this Paper.

A FIRM in Australia and New Zealand, with a live connection, and for the last 14 years calling upon Doctors, Ho Chemists, and allied trades, representing a well-known company of the highest standing and reputation, is open to take up and push the sale of the products of one other (only) ap house, and the complete organisation which has been established can at once be utilised for both: the principal is now in London and can at once discuss in confidence any business proposition. An interview is arranged; references exchanged. Write "Australia," c/o W. B. Saw, 4 & 5 Craven House, Kingsway, 1

AN old-established British firm of Fine Chemical Manufacturers requires Agents in Karachi, Bombay, Madras, Calcutta, Rangoon, Singapore, Hong Kong, and Shanghai. Applicants are invited from bona-fide Agents (selling on commission) who have a connection with large wholesale buyers. Applications from dealers will not be entertained. Apply, stating a held, references, and territory covered, to 23/25M, Office of this Paper.

IMPORTANT Dutch Agency firm wishes to represent first-class houses in Druggists' and Toilet Sundries; Manager at present in London. Write P.C.B. 3/32, Office of this Paper.

NEW PROPRIETARY ARTICLE.—Advertisers wish to communicate with a gentleman to take up a proprietary article in London and the South Coast on a commission basis. 1/13A, Office of this Paper.

WELL-ESTABLISHED firm in Egypt desires to get in touch with manufacturers of Pharmaceutical and Chemical products and all Pharmacy accessories with a view to representation in the whole of Egypt, the Sudan, and Syria; references on London and European houses. Address: 1/38, Office of this Paper.

BUSINESSES WANTED.

5s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

ACKPOOL OR NEAR.—Good Retail and Dispensing Business required; turnover £2,000 to £3,000; or partnership in business with view to succession. Reply in confidence to "ergetic" (163/13), Office of this Paper.

ANCHESTER OR NEAR.—Good Retail Business required; turnover £1,000 to £3,000; state full particulars, which be regarded in strict confidence. Apply 158/33, Office of this Paper.

VERTISER will purchase at once good-class Business in London suburb or home county with good house attached garden if possible; neglected business not objected to if on is good. Apply 164/24, Office of this Paper.

UG Store required; Southern Counties; a neglected business with scope suitable for unqualified man; ready cash available. Particulars in confidence to 162/21, Office of this Paper.

AIL Chemist's Business required shortly, in good-class, healthy town, which might be recommended as beneficial pneumatism; good living accommodation essential; turnover £2,000 to £3,000; less would be considered if good living accommodation; cash available. Full particulars of house accommodation business, "F.S.M.C." (166/13), Office of this Paper.

ANTED, small Light Retail Business; country or seaside; Yorkshire or Lincolnshire preferred; one been neglected or unqualified management entertained. Apply 165/6, Office of this Paper.

ANTED, a good-class Retail Business, with turnover of from £2,000 to £3,000, with scope for increase; seaside or country embracing climate essential, and house accommodation required; cash available; replies treated in strict confidence. Apply 165/5, Office of this Paper.

ANTED, small cash Business; unopposed country or working-class neighbourhood; or would entertain partnership with no succession; house accommodation essential. Particulars in confidence to "Business" (167/17), Office of this Paper.

FOR SALE.

5s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

For Sale, in one lot or small quantities, 1 cwt. gold embossed are Tinfoil, cut, tapered; size $4\frac{1}{2}$ " to $3\frac{1}{2}$ " by $3\frac{1}{2}$ " deep; mate weight 900 sheets to the lb.; samples sent on application. G. Mumby & Co., Ltd., 48 High Street, Gosport.

For Sale, two large old-fashioned show Carboys; capacity about 10 gall.; what offers? S. Vincent, Chemist, Addis-Croydon.

For Sale, bargain, exceptional circumstances.—To Wholesale manufacturing Chemists, etc.—Model Factory, Garages, well fitted, Furniture, Plant, Utensils, etc., complete with Lease, £52 per annum. This Registered Company's Name, Inception well-known Registered Sweetening Tablets, In-Cure, other Specifics and Formulas, all Books, Printing, etc., £1,000. Stock optional. Stamp reply. Sillwood, Sillwood Street, Brighton.

For Sale, Press (hand), on heavy wooden stand, for Sale; good condition. Lewis, 679 Alexandra Park Road, Wood Green.

For Sale, Werner Mass Mixer, Pill Cutter, Piping Press, Coating Machine. Marsh, 41 Newcomen Street, S.E. 1.

For Sale, **US STOCK**.—Two gross, perfectly clean, Yardley's Oatmeal Soap; also Yardley's Shaving Cream in Tubes; none offer refused; carriage forward. Hanna, 70 Lower Mount Street, Dublin.

For Sale, Amorphous Phosphorus; tins free; what offers? Apply 164/24M, Office of this Paper.

For Sale, new stamped graduated 2-oz. Glass Measures; 3 doz. ditto stamped; also 5 doz. white pot Feeding Cups; what offers? Stanley & Co., 15A Canal Walk, Southampton.

TO LET.

5s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

TO Let, with immediate vacant possession, House and Shop adjoining; A1 position in main street; small seaside town; very low rent to suitable man. Apply, first instance, to 21/7L, Office of this Paper.

PARTNERSHIPS.

A WORKING interest required in any branch of the Drug trade; 20 years' Retail, with some Wholesale experience; banker's reference exchanged. Full particulars to 162/210, Office of this Paper.

SITUATIONS OPEN.**RETAIL.**

5s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

ASSISTANT PHARMACISTS IN NAVAL HOSPITALS.

An Examination for candidates for appointment as ASSISTANT PHARMACISTS in Naval Hospitals will be held in London on 28th October, 1920.

The number of appointments offered for competition is three.

The age of candidates on entry must be not less than 21, nor more than 28 years.

Candidates must possess either the Major or Minor qualifications of the Pharmaceutical Society of Great Britain or the certificate of competency granted by the Pharmaceutical Society of Ireland.

The regulations for entry and subjects of examination will be supplied on application to the Secretary of the Admiralty (C.E.). Application for admission to the examination should be made to the Secretary of the Admiralty (C.E.) not later than 1st September.

CHISWICK, W.—Young lady Assistant wanted; knowledge of Photography a recommendation. Usual particulars to 163/22, Office of this Paper.

EASTBOURNE.—Qualified holiday Assistant, for a month from August 16th. References, photo, and salary required, to Geo. A. Harmer & Son, Eastbourne. Good Dispensing and Photo experience required.

GLOUCESTER.—Reliable Assistant wanted by August 14; outdoors; must have had good Dispensing experience. Full particulars as to age, height, experience, and salary, Hampton, 86 Northgate Street, Gloucester.

LANCASHIRE.—Qualified Manager with Optical experience required; excellent opening for an energetic and capable man; state fullest particulars in first letter. Apply "S. H." (165/80), Office of this Paper.

LONDON, S.W.—Qualified Manager for Light Retail and Dispensing business; permanency to the right man; interest in the profits offered. Apply "G." (165/8), Office of this Paper.

LONDON, W.—Competent, unqualified Assistant at once; Dispensing principally; moderate hours; outdoors; three Assistants kept. Apply, with full particulars and salary required, to 165/14, Office of this Paper.

LYNDHURST (HANTS).—Junior or Improver (outdoors) required in good-class Dispensing business; good references essential; easy hours. Apply, with full particulars, Davies, Pharmacist, Lyndhurst.

SHEFFIELD.—Branch Manager wanted (early in September); must be competent and energetic; salary and commission. Send full particulars to 165/11, Office of this Paper.

VICTORIA HOSPITAL FOR SICK CHILDREN, Park Street, Hull.—Lady Pharmacist required at the above Hospital, the first week in September. Applications, stating age, salary (resident and non-resident), and qualifications, to be sent to the Secretary.

AN opportunity occurs for a good qualified Manager for branch shop in busy market street in London; Prescribing, N.H.I., and General Retail; knowledge of Dental and Optical work an advantage, but not essential; salary and commission. Also required, for superintending and relief work, a qualified elderly man who requires light duties and moderate salary. The above are required by a progressive company, with a number of branch shops, and an interest in the business may be offered to thoroughly reliable men at a later date. Apply by letter to E. Rice, 87 Whitehorse Street, Stepney, E. 1.

J. WEARING, Pharmacist, Woking, has a vacancy for a dependable Assistant; must be good Dispenser and smart Salesman; please send recent references, salary required, etc.

LADY Assistant, with Optical experience, required for a business situation in a Lancashire town; comfortable and permanent post; state age, salary required, and when at liberty. Apply 165/800, Office of this Paper.

LADY Assistant required for Light Retail and Dispensing business. Particulars and salary to J. E. French, 128 High Street, Sittingbourne.

LOCUM, qualified, Counter and N.H.I. Dispensing, for four weeks from August 9th. Full particulars first letter please. J. Marlar & Son, Ltd., Chemists and Wine Merchants, 49 and 51 High Street, Halstead, Essex.

LADY Dispenser required as Assistant; Hall qualification; salary £2 5s. per week. Application, with copies of two testimonials, to be sent by August 9th, 1920, to Secretary-Superintendent, Royal Gwent Hospital, Newport, Mon.

PART-TIME required in exchange for rooms, furnished or otherwise. Apply, with full particulars, to "West End" (166/9), Office of this Paper.

QUALIFIED Manager for branch business and Junior. State experience and salary required to 164/22, Office of this Paper.

QUALIFIED Manager wanted for Branch Shop in London district. Send full particulars as to previous situations, married or single, age, salary required, etc., to the Managing Director, The Casson Chemical Co., Ltd., 44a Westbourne Grove, Bayswater, London, W. 2.

WANTED, shortly, competent Assistant for good-class Dispensing and Retail business; age about 26; permanency; give particulars last two engagements, age, height, and salary required. W. M. Rosser, Baily & Co., 2 Ethelbert Terrace, Margate.

WANTED, Junior Assistant (outdoors) for good-class Family business; no Sunday duty. Apply, stating full particulars and salary required, Thos. Evans, Chemist, 114 Upper Richmond Road, Putney, London, S.W. 15.

WHOLESALE.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

NORTHUMBERLAND, DURHAM, CUMBERLAND, AND WEST-MORELAND.—Resident Representative with connection amongst Pharmacists and Doctors in this area required by Pharmaceutical house of good standing; previous experience absolutely essential. State salary, references, etc., to 4/450B, Office of this Paper.

A VACANCY occurs in the office of a leading firm of Wholesale Manufacturing Chemists for an enterprising youth. The position is one which will suit an ambitious young man who has just finished his apprenticeship in the Retail, and who wishes to get into the Wholesale. Applicants, who must be energetic and not afraid of work, should apply, giving full particulars, salary required, etc., to 14/20H, Office of this Paper.

CAPABLE young man wanted as Buyer of Patent Medicines, Perfumery, and Toilet Requisites; experience in large Retail Stores essential; this is an exceptional opportunity for a keen Buyer and careful Stockkeeper; please state age, salary expected, and full particulars of experience. The General Manager, Lewis's, Ltd., Market Street, Manchester.

CHEMICAL TRADE.—Required (at once) in London office, capable young lady Typist; one thoroughly accustomed to chemical trade terms and business. Write, stating salary required and full particulars, Box F47, Lee & Nightingale, Advert. Offices, Liverpool.

DRUGGISTS' Sundries Trade, South Coast.—Experienced Clerk required; please state age experience, wages desired, and usual information. Apply 158/90, Office of this Paper.

COUNTER Hands required by London Wholesale Druggists. Apply, with particulars, to 5/22C, Office of this Paper.

DRUG Manager, with Minor qualifications, required for Dental Stores at Plymouth; age about 30 years, and good experience. Applicants to state full particulars of experience and salary required. Write Box 406, Sells' Advertising Office, Fleet Street, E.C.

DRUGGISTS' SUNDRIES.—Junior required with some experience. Apply, giving particulars, and state salary required, Hatrick, 70 St. John Street, E.C. 1.

HOME DRUG TRADE (WHOLESALE).—Clerk, with initiative, wanted for a Manufacturing Chemists; one who will be an interest in the correct and rapid execution of orders; position could be developed. Write, stating age and salary required, to 35/278, Office of this Paper.

MAJOR man required by Wholesale Drug house, South Coast, for ordinary Pharmaceutical Analyses and the production of high-class Toilet Preparations; well-fitted laboratory. Apply with confidence, stating salary desired, experience, age, etc., to 9, Office of this Paper.

REPRESENTATIVE required by first-class Wholesale house to call on Chemists and Doctors in South Coast area. Reply, stating previous experience, age, salary required, etc., to 1/14A, Office of this Paper.

REPRESENTATIVE.—An experienced Traveller for West of England wanted immediately. The man must be prepared to live in the territory he works, and have established connection with Chemists and Millers. Salary and full particulars in first letter to 4/45B, Office of this Paper.

REQUIRED (immediately), thoroughly practical Soap maker with sound experience of Works Management; salary bonus on profits. Write "F. C. B.," c/o Streets, 30 C.E.C. 5.

REQUIRED, a Resident Representative for Scotland, with connection and experience amongst Chemists and Druggists to represent well-known house for Malt and Oil, Emulsion, and packed lines. Apply 167/20, Office of this Paper.

WANTED, an experienced, qualified Assistant to continue to take charge of the Wet Counter. State age, experience, and salary required, to Lofthouse & Saltmer, Ltd., Wholesale Druggists, Hull.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

CALCUTTA.—Wanted, qualified Assistant with first-class dispensing experience for British Pharmacy; four years' experience; passage out and home; abstainer; not over 30 years of age. Rs. 400, 425, 450, to 500 per mensem. Apply "Aspirin" 3/31, Office of this Paper.

INDIA.—Foreign Traveller required, principally for Indian manufacturers of high-class Soaps, Perfumes, and Toilet Preparations; knowledge of trade essential; applicant travelling experience in the East preferred. Address, particulars of past career and salary required, confidentially to 4/46B, Office of this Paper.

INDIA.—Manufacturing Chemist, qualified, required for age 25/35, with experience in manufacturing Galenicals, Tablets, etc., on wholesale scale; some knowledge of Pharmaceutical machinery necessary; must be able to do labour, test finished products in Laboratory, and control department; married men need not apply; four years' agreement; passage out and home; salary, first year £45 per month, second year £48 per month, third year £51 per month, fourth year £54 per month; excellent opening for capable young man. Apply full details of experience, etc., to 23/22M, Office of this Paper.

SOUTH AFRICA.—Young, qualified Assistants open to situations in South Africa, should apply to Lennon, 12-14 Lafone Street, Tower Bridge, London, S.E. 1. South Africa is prosperous and advancing steadily; the climate is pure and healthy; cost of living moderate.

SOUTH AFRICA.—Qualified Assistant, single, required for a large firm. Apply with full details of experience, etc., to 35/238, Office of this Paper.

SITUATIONS WANTED.

[HOME.]

RETAIL

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid.

Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

A.A.—PHARMACIST (30), recently disposed own business, open for engagement; first-class organiser, advertiser, and Window-dresser; position desired as Manager, where ability recognised; at liberty August 9th. "Chemist," 11 Eardley Crescent, Earl's Court, S.W.5.

A GENTLEMAN, with 30 years' experience of the medical profession, seeks post as Dispenser-Bookkeeper or Secretary; excellent references; permanency. Reply "Zeal" (164/10), office of this Paper.

A GOVERNMENT Student, just passed Part I. Qualifying Examination, and has had two years' College training, requires further two years' practical experience with Chemist who would pay small salary. Write W. J. Leary, 77 Canton Street, Poplar, London, E.

A PERMANENCY; qualified; 40; married; 16 years' successful management; disengaged August 16. "Veritas," 110 Markhouse Road, E. 17.

A QUALIFIED Chemist desires permanency; experienced in first-class Dispensing and Retail Pharmacies; Lancashire preferred, but not essential; well recommended. Thursby, 23 Riding Street, Southport.

A QUALIFIED Chemist disengaged; Manager, permanent, or Locum; thoroughly experienced. "Chemist," 12 Stockwell Park Road, Clapham, S.W.9.

A QUALIFIED Chemist, disengaged; Manager or Locum; thoroughly competent; fully experienced; up-to-date Photography; any locality; brisk business preferred. Apply 166/2, office of this Paper.

A SENIOR Assistant or Manager, unqualified; Dispensing, Photography, and Optics, requires berth; good references; permanency; married. F. S. Gorell, 57 Western Road, Brighton.

A YOUTH (19), public school, seeks post as Junior or Apprentice with first-class Druggist; live in if possible. W. R., 76 Junction Road, London, N.7.

A DVERTISER, qualified, 26, medium height, seeks berth; permanency; in London or district preferred. Firth, c/o Farmer, Chemist, Marlow.

A DVERTISING or Sales Manager; 28; preferably firm Retail Chemists; eight years' Retail experience; keen business man. Apply 163/21, Office of this Paper.

A S Locum or permanency; all-round town experience; excellent references; abstainer. "Felix," c/o Wellburn, Pharmacist, Bridge Road, East Molesey.

A S Locum; disengaged August 1st. "Locum," c/o Shand & Co., Chemists, Budleigh Salterton, Devon.

A S Manager or Locum; life experience in Agricultural business; 53. Chemist, Mrs. Buck, Sunnyside, Wroxham.

A S Manager or Senior in good-class business; qualified; 25; married; energetic Salesman; good Dispensing experience; moderate salary; South or West preferred. Day, 5 Church Street, St. Paul's, Canterbury.

A S qualified Manager or Locum; disengaged; good all-round experience; town or country. J. Fraser, 139 High Road, East Finchley, N.2.

A SSISTANT; 26; unqualified; 12 years' experience in all branches; disengaged; kindly state salary. Apply 164/38, office of this Paper.

A SSISTANT; 22; unqualified; good experience and references; S.W. of England preferred; disengaged middle of August. Apply Lacey, Ilminster, Som.

A SSISTANT, 33, single, unqualified, first-class West-End experience, requires berth. "Nitrate," 28 Melrose Avenue, Criklewood, N.W.2.

A SSISTANT; unqualified; aged 28; eight years' experience; accustomed to mixed business, good Dispenser and Counter; Locum or permanency; S.W. England preferred. Apply "Ixion" (163/16), Office of this Paper.

A SSISTANT, unqualified, 24, married, tall, and smart appearance, desires permanency; good all-round experience; highest references; please state salary offered. Corrigan, Edward Street, Louth.

A SSISTANT; 27; unqualified; energetic; good references. Apply White, 93 Devonshire Road, Redland, Bristol.

A SSISTANT, unregistered, seeks situation, temporary or permanent; London preferred; 12 years' experience. Apply 72 Sandringham Road, Cricklewood.

A SSISTANT, unqualified, desires situation in good-class Pharmacy; thorough knowledge of Dispensing, Counter work, Photography, etc.; London required. Apply "Mercury," Rotherwas, Deddington, Oxon.

A SSISTANT, qualified, required, from August 30th to September 5th, inclusive. Wells Drug Stores, 239 Well Street, Hackney.

A SSISTANT, referred in Pharmacy, requires good Dispensing experience; would accept nominal salary. Thomas, 41 Queenswood Road, Forest Hill.

A SSISTANT; 30; unqualified; single; abstainer; London and provincial experience; Dispensing, Counter, Window-dressing. Write C. F. G., 32 Gondar Gardens, Hampstead, N.W.6.

A SSISTANT, 23, referred one subject in Minor, desires post or Locum work until end September; first-class London and provincial experience Dispensing, Counter, Photography. Lightfoot, Howard Street, Penrith.

A SSISTANT, unqualified, 40, tall, married, desires permanency; reliable Dispenser; smart Counterman; disengaged. Hannath, 53 Cantelupe Road, East Grinstead.

A SSISTANT (25); unqualified; six years' experience high-class Dispensing and Counter; Worcestershire preferred. "Statim," 14 Sebright Avenue, London Road, Worcester.

A SSISTANT or Locum; qualified; age 21; height 5 ft. 10½ in.; for the season; coast preferred; disengaged. Full particulars to C. W. Glew, c/o F. H. Glew, M.P.S., 156 Clapham Road, London, S.W.9.

A SSISTANT (unqualified), 35, immediately; permanency or Locum; town or country; £3 10s. "Assistant," Spa Pharmacy, Montpellier, Cheltenham.

A SSISTANT; age 20; 5 years' good all-round experience private Dispensing and N.H.I., Manufacturing, Window-dressing, and good Salesman; Locum, permanency, or part times. P., 20 North Villas, Camden Square, N.W.1.

A SSISTANT, unqualified; seven years' experience Dispensing and Retail; good references. Sheldrick, Swaffham, Norfolk.

B LACKPOOL or Lancashire area, qualified, Senior or Manager, desires post; disengaged; Locum or permanent. Marsh, 6 Hawes Side Lane, Marton, Blackpool.

C HEMIST, relinquished business temporarily, desires Locum work or Managership; free until August 14th and after September 11th. Underwood, 47 Leominster Road, Wallasey.

D ENTAL Mechanic, with Dentist or Chemist; five years' experience; well recommended; moderate salary. J. Craig Owen, Bangor, Wales.

D ISENGAGED; unqualified; 32, married, abstainer; 12 years' pre-war experience Dispensing, Counter; used to quick cash business and heavy N.H.I.; references; London preferred. Swann, 11 Chichester Street, Chester.

D ISENGAGED; unqualified; middle-aged; smart appearance; capable to take charge; temporary or permanent; in- or out-doors; town or country. L. H. P., 3 Wyndham Street, Marylebone Road, W.

D ISPENSER, woman, Hall certificate, desires post. Doctor, Chemist, or Institution. Corcoran, 124 Sutherland Avenue, Maida Hill, W.9.

D ISPENSER-BOOKKEEPER to Doctor; Qualified Minor Surgery, Dressings, Extractions; married; abstainer; excellent references; moderate terms; town or country. Apply 166/12, Office of this Paper.

EXPERIENCED, all-round Assistant, unqualified, tall, 37, as Manager or Senior; disengaged. 165/32, Office of this Paper.

EXPERIENCED Assistant, accustomed to good-class business; expert Salesman; highest references. N., 11 James Street, Paddington, W.

EXPERIENCED, qualified Manager; disengaged September; resident country post preferred; salary and commission; married. Rae, 2 Berkeley Mansions, Park Street, Bristol.

IMPROVER (18), just completed 4 years' apprenticeship in a high-class Pharmacy, seeks situation; South of England preferred; excellent all-round experience, including Photography; references. Ward, 25 Church Street, Staines.

JUNIOR ASSISTANT (19) desires post; four years' apprenticeship; disengaged; excellent references; good at Dispensing. H. Glascock, 9 Carlyle Road, Cambridge.

JUNIOR Assistant (21), well recommended, and experienced in Counter, N.H.I., and Veterinary, requires progressive berth, in or near London. "Junior," Dawson's (Chemists), Ltd., 257 High Street, Ponders End, Middlesex.

LADY Assistant; 5 years' excellent experience Counter and Window-dressing. Apply 165/40, Office of this Paper.

LADY Dispenser (Apothecaries'), absent some months from business, desires post; experienced; good references; reasonable remuneration. Adams, Roosebeck, Ulverston.

LADY Dispenser (Hall), Bookkeeper, desires post, Locum or permanency; free from August 19th; five years' experience; excellent testimonials. Apply 165/2, Office of this Paper.

LADY Dispenser (Hall) requires Locum or permanent post; Hospital experience; excellent testimonials; disengaged. Leeder, Braycot Road, Wanstead, E. 11.

LADY (Hall), three years' experience with good-class Dispensing Chemist, requires post; Chemist or Doctor. Apply 164/34, Office of this Paper.

LADY (qualified), 27, seeks post in or near Glasgow; 11 years' excellent experience in Dispensing and Photography; full charge or otherwise. Terms, "Reliable" (163/20), Office of this Paper.

LOCUM.—Assistant, young, unqualified, requires temporary position for August; Photographic, Dispensing experience. Slater, Church Walk, Eastwood, Notts.

LOCUM; disengaged; capable; wide experience; moderate terms. "Chemist," 178 Waterloo Road, Middlesbrough.

LOCUM.—Retired Pharmacist, 56, would take charge with light duties few weeks August or September; small remuneration; good reference. Apply 164/17, Office of this Paper.

LOCUM.—H. Armstrong Brown, 1 Wathen Road, Dorking, Surrey, is at liberty for Locum work September 4 to 25; qualified; experienced Optical, Photographic; first-class references; highly recommended.

LOCUM, disengaged after August 16th, 1920; elderly; very active and good Salesman. Apply 166/27, Office of this Paper.

LOCUM, qualified; vacant dates, August 23rd to September 4th and October 4th to 16th; sober, reliable, experienced; references; terms moderate; town or country. Pills, 14 Highbury Park, N. 5.

LOCUM or permanent; qualified; Manager or otherwise; 46; tall; good experience, appearance, and address. Longman, 70 Kennington Oval, S.E.

LOCUM, qualified, with good high-class experience, desires berth for any period in August; South Wales preferred. Apply 166/38, Office of this Paper.

LOCUM, qualified; 28; first-class Dispensing experience; disengaged August 8th. Neall, 50 Clyde Road, Brighton.

LOCUM (unqualified) desires post for the first three weeks in August and the whole of September, anywhere in North of England or South of Scotland; passed Minor in all but one subject. Muschamp, Ainstable, Armathwaite, Cumberland.

LOCUM; qualified; Midlands or East Coast preferred; 32; height 6 ft.; thoroughly competent; excellent references; disengaged until September 30th. Tompkin, 101 Lenton Boulevard, Nottingham.

LOCUM, qualified; disengaged until August 16, after August 31 permanent or Locum; private or store; Photography, slight knowledge of Optics; French and Italian; Extractions, Sealings, Stoppings undertaken. Furnival, 28 Melrose Avenue, Cricklewood

LONDON.—Qualified man (24), height 6 ft.; West-End experience Counter, Dispensing, Photographic; energetic; excellent references; disengaged; please state terms. Framingham Seapoint, Hunstanton.

MANAGER or Assistant in village Pharmacy with view to succession; qualified. "Locum," 38 Spittal Square, Marlow

MANAGER or Locum; highest references; Major qualification Manager, Parke's Drug Stores, Ltd., Norwood, S.E. 19.

MANAGER, qualified, desires berth, view to succession or partnership; thoroughly capable and good organiser; highest credentials. Please state full particulars, salary, hours of business, etc., Hall, 3 Winterburn Hill, Warley, Halifax.

MANAGER, with or without view to succession, or partnership long experience; Midlands preferred; capital £1,000 or over. Apply 167/7, Office of this Paper.

MANAGER or Senior; 38; qualified; first-class experience as Assistant and Manager; good organiser; fluent French; town or country; disengaged. Scott, 57 Cartwright Gardens, W.C. 1.

MR. H. K. DUCKWORTH, Chemist, Grange-over-Sands, can recommend excellent unqualified Assistant as Locum.

PART-TIME Minor student; Saturday and two or three evenings; competent; Dispensing, Photographic, etc. Apply 167/25, Office of this Paper.

PERMANENCY required by qualified; 25; abstainer; experience and careful Dispenser; accustomed to good-class business only; Photography; please state hours and salary offered. "Quercus," 100 Bostock Avenue, Northampton.

PHARMACEUTICAL Chemist desires engagement in busy Pharmacy; country; expert Photographer. Walker, Load Clough, Luddenden.

PHARMACIST, English and foreign qualification, 34 years' London and Continental experience, desires engagement Laboratory work preferred; linguist; would undertake translation from German and French scientific papers. R., c/o Mr. Pentney Pharmacist, 98 Queen's Road, Dalston, N.E.

PHARMACIST requires Locum work during summer months first-class all-round experience; Photography. Owens, 1 The Circle, Harborne, Birmingham.

PHARMACIST (25), single, requires position, Manager or Assistant; disengaged; excellent references; first-class experience. Mellor, 45a Market Street, Manchester.

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QUALIFIED seeks responsible position in Hospital or Institution; abstainer. Apply 163/190, Office of this Paper.

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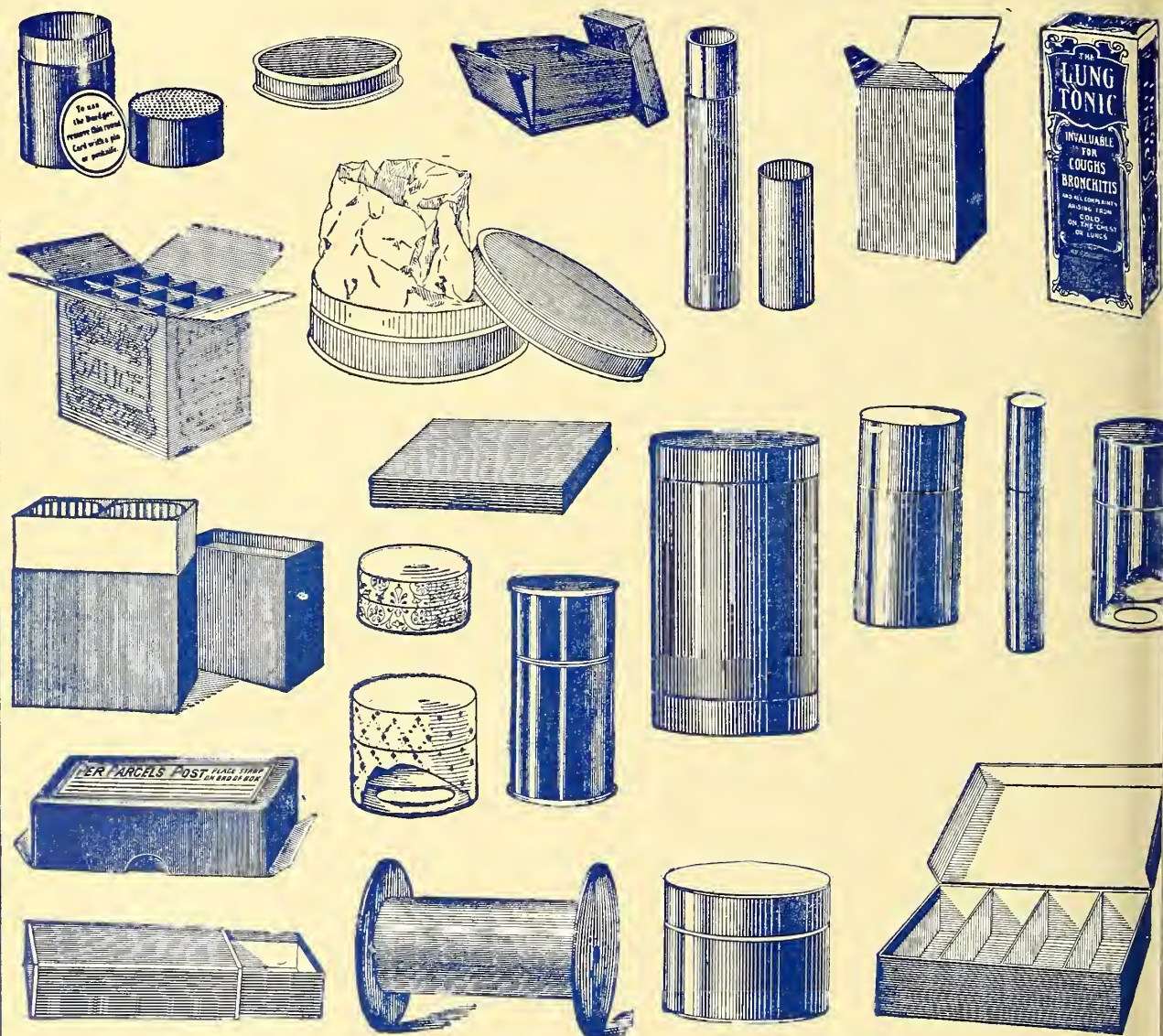
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